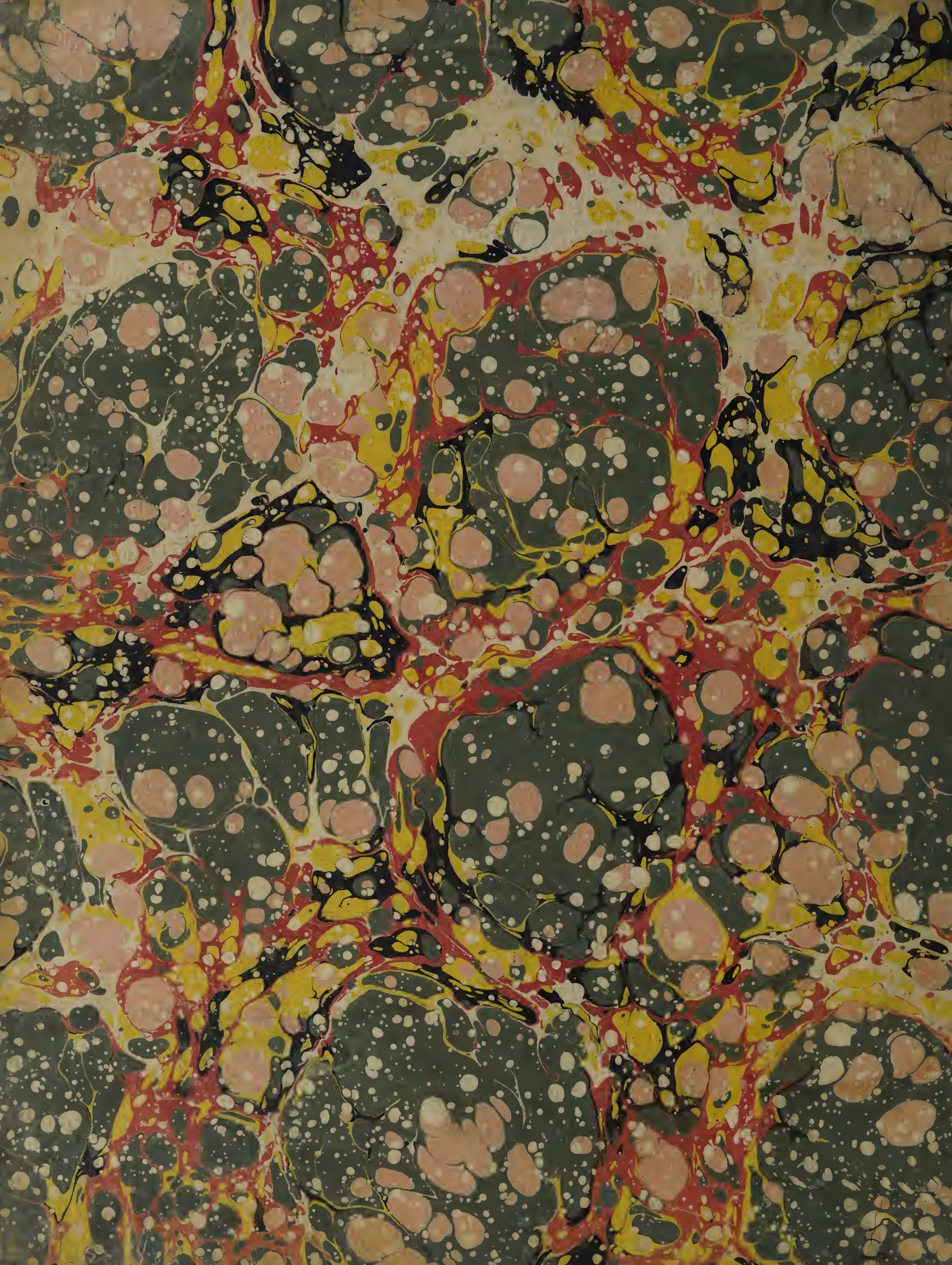


Henry Drummond



N.82 1031c/2

P. [illegible] N. F 37

P. Lucifotia 16.

P. Aldrina 17

P. Lucius 16 25

P. Fenella 11. 5

P. Flori 12 16

P. Acutia 15 – 27

P. Aja 20 C. D

P. Ulpia 21

P. Sabicia 84 f. a. d.

P. Ingla 50

P. Pudentiana 26.

P. Marcellina 26

P. Antigua 29

P. Caecilia Metella 13. f 19

P. Lucia 14. f 20.

P. Appiani Alti 14.

P. Vitrasio 33

P. Lucretiana 65

P. Pomponia 69

P. Betiana 31. 52. 40. 41

P. Urbana 47. f. 78

P. Sofiadicia 43. 71

P. Nonnia 37. f. 60

P. Priscilla 31.

P. almano 42 65

P. Aproniana 47. 75

P. Cossa 35 6

P. Lucrezia 24. 31

P. Labicana 30 50

P. Fabi 58

P. Basilla 25. 33

P. Domitia 22

P. Jacobi 34

P. Pacta 80

P. Proculi 72

P. Aquila 71

P. Turbo 64

P. Petronia 13

P. Pisi 86

P. Ali 83 C. D

P. Aceri 85

P. Barberi 13

P. Hortea 29 40?

P. Sanbucarica 94

P. Quintilla 60.

P. Purpurea 22

P. Aurea 22

P. Antonia 89

P. Comodiana 50

P. Libaria 30-50

P. Lucrinana 65

P. Iranica 42 65

P. auricata 37. 60
P. Fusus 31
P. Pacta 80
P. Pennata 92 f C.D
P. Plutica 78
P. Complanata 70 - G ++
P. Sulcata 84
P. Reticulata t 13
P. Lunaris 92
P. Hyacantha t 14.
P. Lanceolata 60 -

3847

Margaret Graves
1797

9.75 ft.

A

Natural Hiſtory

OF

ENGLISH INSECTS.

Illuſtrated with

A Hundred COPPER PLATES,

Curiouſly engraven from the Life,

And exactly coloured by the AUTHOR,

ELEAZAR ALBIN, Painter.

To which are added

Large NOTES and many curious OBSERVATIONS

By W. DERHAM, D. D. Fellow of the Royal Society.

LONDON,

Printed for WILLIAM INNYS in *Pater-noſter Row*.

MDCCXLIX.

WELLCOME
HISTORICAL
MEDICAL
LIBRARY

TO

Her ROYAL HIGHNESS the

Princeſs of *WALES.*

MADAM,

MY profound Veneration for your ROYAL HIGHNESS's Perſon, had prevented this Preſumption; but Your Readineſs in condeſcending to patronize whatſoever may tend to the Honour of God [whoſe infinite Power is no leſs

 viſible

viſible in the Smalleſt of his Works, than in thoſe of the Largeſt Magnitude] or the Good of Mankind, encouraged me to offer the following Work at Your Royal Feet, moſt Humbly begging Your Pardon and Protection; who am, may it pleaſe Your ROYAL HIGHNESS, with the greateſt Duty,

Your ROYAL HIGHNESS'S

Moſt Faithful, and

Moſt Obedient,

Humble Servant,

ELEAZAR ALBIN.

PREFACE.

TEACHING to Draw and Paint in Water-Colours, being my Profeſſion, firſt led me to the obſerving of *Flowers* and *Inſects*, with whoſe various Forms and beautiful Colours I was very much delighted; eſpecially the latter, ſeveral of which I painted after the Life, for my own Pleaſure. After ſome time this brought me acquainted with Mr. *Dandridge*, a very ingenious Man, and very curious in obſerving the Works of Nature. He had diverted himſelf ſome Years with collecting *Inſects*, and obſerving their ſeveral Progreſſions from the Egg, thro' their *Worm* State, to the *Fly*, which is their State of Perfection. This curious Perſon employed me in painting *Caterpillers* for him, and recommended me to Mrs. *How*, Widow of the late famous Phyſician of that Name. For this curious Lady I painted a great Number of both *Caterpillers* and *Flies*; and likewiſe ſeveral Things relating to Natural Hiſtory for Sir *Hans Sloane*. After this I was introduced to Her Grace *Mary* the late Dutcheſs Dowager of *Beaufort*, who imployed me in the ſame manner; this excellent Lady firſt perſuaded me to undertake the following Work, and encouraged me by procuring me Subſcriptions from ſeveral Perſons of the firſt Quality. While this good Lady lived, it went on apace, and, I am perſuaded, had been finiſhed long ſince, if it had pleaſed God to have ſpared her; but after the loſs of my Patroneſs, Subſcriptions coming in ſlowly, and my Circumſtances (having a great Family to provide for) not being able to carry it on without, retarded it. Theſe Conſiderations, I hope, will diſpoſe thoſe honourable and worthy Perſons, who ſubſcribed early, to pardon me that they have expected it ſo long.

Thus

Thus much I thought proper to ſay concerning what put me upon this Undertaking, and likewiſe to acquaint the World with the Reaſons why it has been ſo long in hand: I ſhall now ſay ſomewhat of the Work itſelf.

In the firſt place, in all my Drawings, particularly of the *Inſects*, I have copied exactly after the Life; having obſerved it as a great Fault in thoſe who have gone before me in this Way, that they either did not look often enough at their Pattern, or affected to make the Picture outdo Nature: This I have carefully avoided. So likewiſe in my Deſcriptions, I have choſen the plaineſt Words that I could find, and have always related with all poſſible Exactneſs mere Fact; leaving it to Perſons of more Learning, and greater Capacity, to cultivate this Part of Natural Hiſtory; which I am perſuaded may be improved to the Glory of our great Creator, and very much conduce to the Benefit of Mankind.

Thro' the whole Courſe of my Obſervations, I have not met with one Inſtance, that gave me Reaſon to doubt of *Inſects*, in general, being produced by Animal Parents of the ſame Species. In this I am confirmed by the curious Experiments and Obſervations of *Franciſco Redi*, an ingenious *Italian*, who writ a Treatiſe on this Subject: Tho' I cannot help admiring how ſo exact an Obſerver of Nature could be led into ſo great a Miſtake, as to think that ſome *Inſects* were the Product of thoſe Vegetables in whoſe Excreſcences they had been nurſed up; ſince it will be evident to any one who will take the Trouble carefully to examine it, that a *Fly's* piercing the outer Skin or Bark of a Plant, and laying her Egg within it, ſo alters the Texture of the wounded Veſſels, that the Sap paſſing thro' them forms the Excreſcence: which ſerves not only as a convenient Matrix, or Neſt, but likewiſe affords proper Nouriſhment to the *Worm*, when it is hatched,

hatched, while it continues in that State; and proves a Security to it while in its *Aurelia* State, till it becomes a *Fly*; which then makes its way thro' it, tho' never ſo thick: which is very much to be admired, conſidering the Smallneſs of ſome of theſe *Flies*, and the Thickneſs and Solidity of the Excreſcences they are bred in. This is eaſily obſerved in the common Gall, in which, if there is no hole, you will certainly find a dead *Inſect*, either a ſtarved *Worm* or *Fly*, according to the State it was in when the Gall was gathered; but if there is a Hole, the *Fly* had acquired its Perfection and is gone.

No one, who is at all converſant in theſe Inquiries, can avoid admiring, and adoring the infinite Goodneſs of God, who in his Providence has given an Inſtinct to all his animal Creatures, even of the loweſt Order, ſufficient to direct them in all Things neceſſary for their own Preſervation, and Propagation of their Kind. To this end they do not lay their Eggs looſely, ſo as to be driven from Place to Place (much leſs from Country to Country) by the Winds: but fix them on *Plants* or *Inſects*, &c. which will be proper Food for their *Worms*, while in their growing State; and thoſe that are laid only ſuperficially on Plants, are faſtened by a Glew, ſo tenacious that the Rains cannot waſh them off: And as for thoſe that are laid contiguous, they are not laid in a Heap, but in exact Order, and ſo diſpoſed, that one may not hinder the *Worm* of the others from coming forth: And, what is very remarkable, in ſome of them, a determined Side, or End, is always placed outward.

Some few of the *Moth* Kind I have obſerved to ſcatter their Eggs with a ſeeming Careleſsneſs as they fly. Theſe are rarely ſeen but in Meadows, and the Food of their *Caterpillers*, being generally Graſs, is more obvious than that of thoſe which affect particular Plants: And if I may judge of the Number of their Eggs by

by the Size of them, in Proportion to the Bigneſs of the *Fly*, it is likely they lay three or four times the Number of Eggs that others do, who place them with more Care; ſo that there is abundant Proviſion made for thoſe Accidents which may befall them. It would be almoſt endleſs to mention thoſe Obſervations only, that fall in every one's Way, who has made any conſiderable Progreſs in theſe Matters.

As Providence is ſo remarkable in the Propagation and Preſervation of *Inſects*, ſo are they by no means to be eſteemed uſeleſs Creatures: For beſides their Subſerviency to one another, they likewiſe ſerve as Food to many other Creatures, both Fiſh and Fowls. Young Birds are almoſt generally fed with them; and for that End, it is obſervable that they are to be found in greateſt Plenty in the *Spring*, which is the breeding Seaſon for moſt of the volatile Kind. By this Means they become ſerviceable to Mankind. Nor do they ſerve us only ſecondarily, but we are indebted to them for Relief in ſeveral Diſeaſes; for all our *Honey*, *Wax*, *Silk*, *Beſt Scarlet*, &c. But as theſe Things fall under every one's View, I ſhall paſs them by, with only mentioning (to recommend to your Notice their infinite Variety, in Shape, Texture, Colours, and the exact Uniformity that is always preſerved in each Species) that you cannot ſee a Spot that is remarkable, but it is found in all of the ſame Kind; and that the Colours, particularly of the *Moths* and *Butterflies* (which to our Eyes ſeem as Duſt) if they be examined by a *Microſcope*, every Particle of them is a perfect Feather, and is placed in the Wing in moſt exact Order. From the whole we cannot but conclude, that they are the Work of Infinite Power, and not the Effect of mere Chance, or the Product of Corruption.

THE





To Her Roy.l Highness
The Princess of Wales;
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del. *M. Vandr Gucht Sculp.*

DESCRIPTION *of the Firſt* PLATE.

THE CATERPILLER, *a*, is of a pale Green, ſpotted with Black. It has a yellow Line down the Back; the Belly is of a yellowiſh Colour with fainter Spots. They are found too frequently on *Cabbage* and *Cauliflowers* from *June* to *September*. They feed alſo on *Naſturtium*, *Horſe-Radiſh*, *Scurvy-Graſs*, *Stock Gilly-Flowers*, and I believe on all Plants that have the Creſs Taſte. I took them about the Middle of *September*, and fed them on the *Indian Creſs* till the latter End of the ſame Month: They then tied themſelves up by the Tail, and croſs the Middle, and changed into a *Chryſalis*, marked *b* in the Copper Plate, and ſo continued till the Middle of *April*, and then came forth the *Butterfly* called *Papilio albus vulgaris major*, the great white *Butterfly*, the Male marked *e f*, the Female *c d*. The Male and Female of all or moſt *Butterflies* may, beſides other Characteriſticks, be diſtinguiſhed by their *Alve* or Bellies: Here the Belly of the *Male* is lanker and more cylindrical than that of the *Female*, which is bigger in the Middle, and tapering towards each End like a Nine-pin. The *Female* hath commonly two black Spots in each upper Wing, and the *Male's* Wings only tipped with Black. Mr. *Derham* hath obſerved ſome of the *Males* to have one Spot on the upper Side of the upper Wing, and two underneath it; in the *Females* two above, and a ſort of Shade of them only underneath.

'Tis very common, when this CATERPILLER has faſtened itſelf up, inſtead of changing into a *Chryſalis*, to have many ſmall Maggots come out of its Sides, each of which immediately ſpin themſelves up in a Caſe of yellow Silk. Theſe produce a ſmall *Ichneumon Fly*, which is expreſſed in the Copper-Plate at *b*; and ſometimes inſtead of a *Butterfly*, after the *Chryſalis* has been changed, I have had thirty or forty *Ichneumons* of another kind come out of it, expreſs'd at *f* in Plate N° 3; theſe eat their way out of the *Chryſalis* in ſeveral Places.

In order to preſerve your *Cabbages*, *&c.* from theſe CATERPILLERS, 'tis worth while to deſtroy their *Chryſalides* in Winter. They are commonly found under the Copings of Garden-Walls, Pales, or any Place a little ſheltered; and likewiſe their Eggs, which are of a deep yellow Colour, longiſh, elegantly ſtriated, and ſtanding upright. You will commonly find many of them together, and for the moſt part on the under Side of the Leaves. See *Goedart*, *Sect.* 1. *Num.* 7. *Merian*, *Vol.* 1. *Chap.* 45. *Mouſet*, *p.* 103. *Ray Hiſt. Inſect. p.* 113. *Liſt. in Goed. p.* 16. *Fig.* 7.

DESCRIPTION *of the Second* PLATE.

THE CATERPILLER *a* in this Plate is Black and Orange Colour on the *Back*, the *Belly* and *Holders* of a pale greeniſh Aſh-colour, with a ſmall black Spot on each Joint; the *Head* and *Fore Feet* of a deep Black. They are commonly found feeding on the *White Thorn* at the latter End of *April*, on which I fed them till the 12th of *May*, at which time one of them tied itſelf up by the *Tail* and croſs the *Middle*, after the manner of the former, and changed into a *Chryſalis*, marked *b* in the Copper-Plate, of a deep Yellow marked with Black, out of which, the firſt of *June*, came *Papilio Albus Venis nigris*, the white Butterfly with black Veins. See *Merian*, *Vol.* 2. *Chap.* 35. *Moff. p.* 103. *Ray Hiſt. Inſect. p.* 115. *n.* 5. *Hoff. Tab.* 10. *Fig.* 14.

The CATERPILLER marked *e* in this Plate is of a green Colour, with ſmall dark Spots on the *Back*; the *Belly* is of a whitiſh Green. I took it on the *Buckthorn* at the latter End of *May*, and fed it on the ſame till the 12th of *June*, at which time it tied itſelf up by the *Tail* and croſs the *Middle* like the other, and changed into an odd-ſhaped *Chryſalis*, *F*, of a green and yellow Colour, as is expreſſed on the upper Part of the *Branch*; out of which, on the 30th of *June*, came *Papilio præcox Sulphurea Singulis alis Singulis maculis*, the *Brimſtone Butterfly*. See *Jonſ. Inſ. p.* 42. *n.* 1. *Tab.* 5, 6. *Moufet. p.* 103. *n.* 1. *Ray's Hiſt. Inſects, p.* 112. *Hoef. Tab.* 12. *Fig.* 8.

d

2

a

c

b

g

3

e

f

h

To the Right Honorable

Sarah Bodville Countess Dow^r. of Radnor

this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H. Fergason, Sculp.



a

c

d

4

e

b

f

TO THE MOST NOBLE

Mary Osborn Dutchess of Beaufort

this Plate is humbly Dedicated by Eleazar Albin

E. Albin, ad vivum, deliniavit.

H. Terasson, Sculp. Lond.

DESCRIPTION *of the Third* PLATE.

THE CATERPILLER *a* in this Plate is Black, marked with ſmall Specks of White on the upper Part, and on each Side an indented Stripe of Yellow, with black branched Briſtles round each *Joint*. The other CATERPILLER, *b*, is marked and briſtled as the former, but of a yellow Colour: They feed on *Nettles*. I found them on the 17th of *July* in the Leaves, folded or ſpun together: They ſhelter themſelves after this manner that they may be ſecured from the too great Heat of the *Sun*, *Rain*, *Birds*, and a ſmal *Ichneumon Fly*, which often hinders their coming to Perfection. I fed them on *Nettles* till the 24th of the ſam Month, at which Time the CATERPILLER hanging itſelf up by the *Tail* within the *folded Leaves*, changed into a *Chryſalis*, expreſs'd at *c*, of a Cinereous or Mouſe-Dun-Colour, out of which, on the 6th of *Auguſt*, came a moſt beautiful Fly called *Papilio major Nigricans, alis Maculis rubris & albis pulchræ illuſtratis*, the *Admiral Butterfly*. I did not perceive any Difference in the Flies that were produced from theſe two CATERPILLERS: Some of their *Chryſalides* ſeemed as if gilded with *burniſh'd Gold*; out of theſe came a Brood of ſmall, but very beautiful *Ichneumons*. See *Goedart*, *Vol.* 1. *Tab.* 26. *p.* 96. *Fig. opt. Liſt. Fig.* 4 *Gr. V.* 2. *p.* 81. *Tab.* 81. *Fig. opt. Moff.* 100. *num.* 6. *an. Hoef. Tab.* 12. *Fig.* 15. *Mr. Ray Hiſt. Inſect. p.* 126.

DESCRIPTION *of the Fourth* PLATE.

THE CATERPILLER *a* is Black, and full of ſmall white Specks all over his Body. He is one of the branched prickly kind: Its *Head* is ſhining, and blacker than the other Parts of his *Body*; the *Holders* are of a light Brown. It was taken the 10th of *June*, feeding on the *Nettle*, and on the 20th of the ſame Month it tied itſelf up by the *Tail*, and changed into a *Chryſalis* of a light Green Colour, and on the 6th of *July* came forth a beautiful *Butterfly*, with *Eyes* in his *Wings*, called by Mr. *Pettiver*, in his *Centuria Prima Rariorum Naturæ*, *Papilio Oculus Pavonis dictus*, the Peacock's Eye. This CATERPILLER, when touched, lets fall from his Mouth a Drop or two of a dark green Liquor, but for what Reaſon I could not judge, it not being hurtful to any Part of the Skin where it falls. They are ſubject to the ſame Production of *Ichneumons* as thoſe of Plate N° 3. See *Goed. Vol.* 1. *p.* 23. *Fig. opt.* 1. *Liſt. Fig.* 1. *Graf. vol.* 1. *Tab.* 26. *pag.* 53. *Ray Hiſt. Inſect. p.* 122. *n.* 14. *Mouſet*, *p.* 99. *n.* 4. who calls it *Omnium Regina*, the Queen of Butterflies. See *Hoef. Tab.* 12. *Fig. opt.* 9. *Jonſ. Inſ.* 40. *n.* 4. *Tab.* 5.

The CATERPILLER, marked *e* in this Plate, is of an Olive Colour on the Back, edged with a Stripe of Yellow, and a dark ſhining Spot on each Joint. The *Belly* and *Holders* are of a light Hair Colour, ſpotted with ſmaller Spots. This CATERPILLER was taken on the 26th of *May*, feeding on the *Nettle*, and on the 7th of *June* ſome of them tied themſelves up by the *Tail*, and changed into a *Chryſalis* of a light brown Colour, out of which came, in 14 Days, a *Fly* called *Papilio Teſtudinarius minor*, the leſſer Tortoiſe-ſhell, from its Wings repreſenting the Shell of that *Animal*. This *Butterfly* lives all Winter, and hides himſelf in *Cottages*, *old Trees*, and other Places of Refuge. The *Chryſalides* are often found gilded, from whence it was called *Aurelia* or *Chryſalis*, which is now become the common Name of the Caſes that *Flies* lye while in this State. Theſe produced a Brood of ſmall *Ichneumons*, expreſs'd in the Plate at *i*. See *Goed. Vol.* 1. *p.* 90. *Fig. opt.* 21. *Liſt. fig.* 2. *Graf. Vol.* 1. *p.* 89. *Moff.* 101. *num.* 11. figured againſt *num.* 12. *Hoef. Tab.* 2. *Fig. opt.* 16. *Ray pag.* 117. *n.* 1.



To the Honorable

Mrs Elizabeth Somerset

this plate is humbly Dedicated by Eleazar Albin.

E. Albin del

M. Vr 3r Gucht Sculs





To The Right Hon^BLE
John Lord Sommers Baron of Evershamm &c.
E. Albin del. *this Plate is humbly Dedicated by* Elcazar Albin .

DESCRIPTION *of the Fifth* PLATE.

THE CATERPILLER *a* is of a light Sea-green Colour. It was taken near *Hornſey* Wood the 8th of *June* feeding on the *Black-Thorn*, and the 18th of *June* it tyed itſelf up after the Manner of the white *Butterfly*, and the 16th of *July* came forth the *Hair-ſtreak Butterfly*. The upper Side of the Wings, marked *b*, are of a dark Brown, with a large Spot of Orange-colour in each upper Wing, and three ſmall Spots of the ſame Colour toward the Bottom of each under Wing. The under Side of the Wings *c* are Orange-colour, with large Streaks of dark Red edged with White, and a Shade of bright Red on the Edges of both the upper and under Wings. This CATERPILLER is very rare, and ſcarce to be met with.

The CATERPILLER *d* in this Plate is like the former in Colour, with oblique Streaks of a dark Green on the *Sides*. His *Head* is of a yellowiſh Brown. It was taken the 4th of *July* near *New-Croſs* in *Kent*, feeding on the Inſide of the *Black-berry Buds*, making a ſmall Hole by which it entered, and eating all the inward Part, left the *Bud* ſeemingly entire. It fed on them till the 15th of *July*, and then tyed itſelf up after the manner of the other *Butterflies*, and changed into a *Chryſalis*, and the 13th of *April* the Year following came forth a *Butterfly*. The upper Side of the Wings are of a light brown Colour, the under Side of a beautiful Green. I have found no Account of either of theſe *Butterflies* in any *Author*.

DESCRIPTION *of the Sixth* PLATE.

THIS CATERPILLER is yellowiſh, marked obliquely with Orange-Colour Streaks on the *Back*, which pointing forwards toward the *Belly*, are of a pale Yellow, and then grow darker in Shade, going backwards till it comes to a Purple, then Orange, *&c.* repeated, and ſo on for ſix or ſeven Courſes, the laſt of which ends with an Orange-colour Shagreen *Tail.* His *Feet* and Circle of his *Face* are black, with Spots of the ſame on the Joints of his *Body*. It was taken about the Middle of *July* on the *Jeſſamine* full fed, and went into the Ground the next Day, and changed into a *Chryſalis* of a dark brown red Colour. The *Moth* came forth at the latter End of *October*. There being but one of theſe CATERPILLERS, it could not be determined whether that is the uſual Seaſon, moſt others of the *Horn Tail* Kind lying in the Ground all Winter till *May*. The Back and upper Wings of the *Moth c* are of a dark Aſh-Colour, ſtreaked with Lines and Marks of Black, deep Oker, and pale Buff-Colours, and all over this like the ſprinkling of fine Flour. The *under Wings* are of a deep Yellow, with two ſcollop-edged Streaks of Black acroſs. The *Body* is of the ſame Colours, with a Diviſion of Grey inclining to Blue in the Middle, with ſix Rings of Black. The *Breaſt*, *Belly*, *upper* and *under Wings* of the under Side of the *Moth d*, are of a browniſh Yellow, ſhaded with a dark brown Colour, as it is expreſs'd in the Copper-Plate. Theſe CATERPILLERS are very rare to be found, neither have I found them deſcribed by any Author.





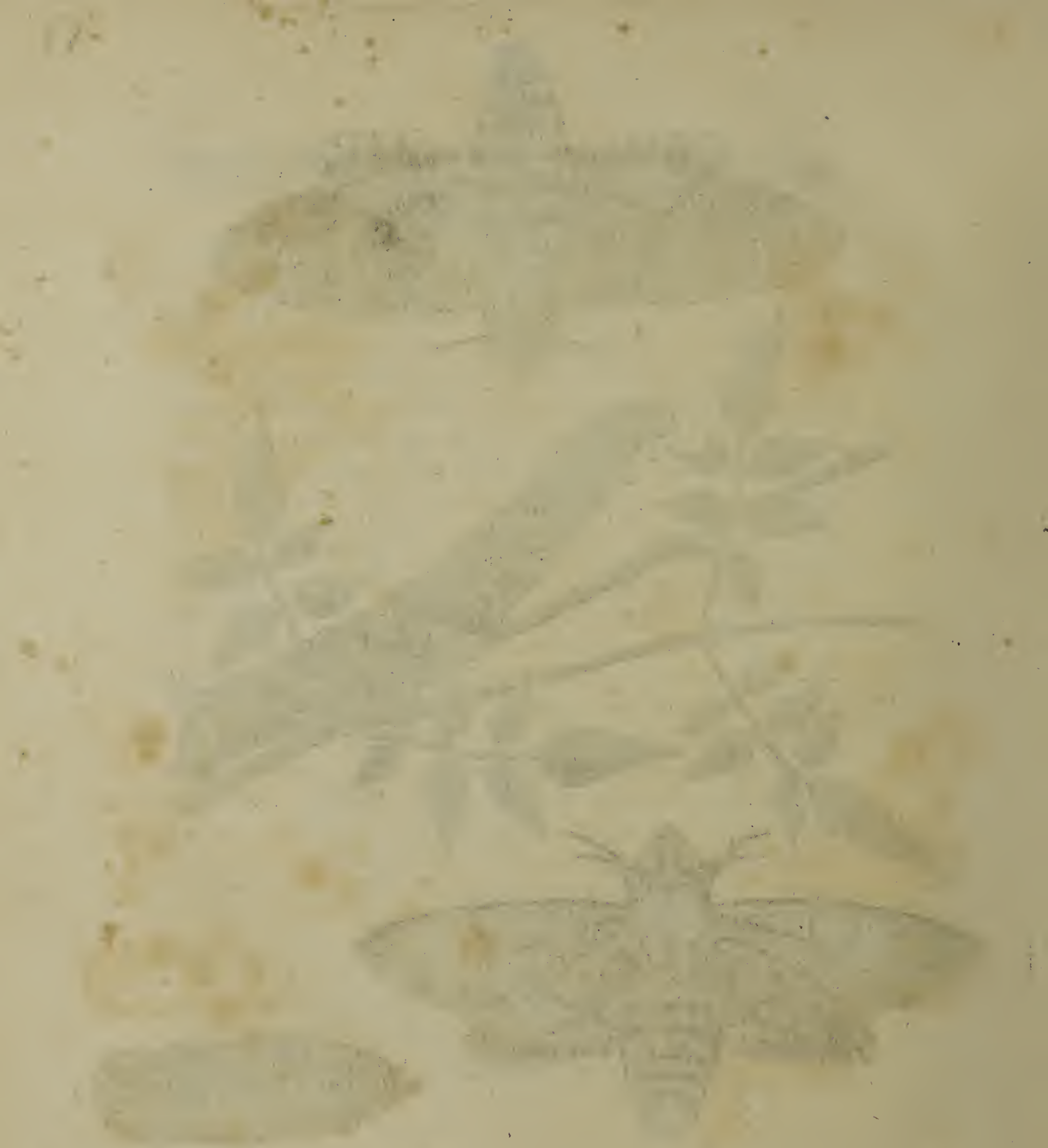




To the Right Honorable
Henrietta Somerselt Countess of Suffolk
this plate is humbly Dedicated by Eleazar Albin.

E. Albin. del.

H. Terasson. Sculp. London. 1713





To the Right Honorable

Ann Somerselt Countess Dow.r of Coventry

this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H.L. Terasson Sculp. London 1714

DESCRIPTION *of the Seventh* PLATE.

THIS CATERPILLER is of a yellowiſh Green, the out-Circle of the Face of a deep Purple. He had ſeven long pointed Stripes of Purple and White on his Sides obliquely thwarting each Joint; with a Spot of deep Orange under each: The Horn on his Tail is Yellow, tipt with Black. It was found the 4th of *Auguſt* on the *Lilac*, very large (they alſo feed on *Privet*, *Holly*, and *Phillyrea*;) it went into the Ground the 8th of *Auguſt*, and in five Days changed into a *Chryſalis*, having firſt changed its Skin, which I have obſerved them to do four times in their Courſe from the Egg to the *Chryſalis*. It remained in that State all Winter till the 26th of *June*, at which time came forth the Moth expreſſed at *c* and *d*, commonly called the *Privet Hawk-moth*. The upper Wings are of a light Brown with dark Shades, having a Croſs and ſeveral Lines of Black in each. The Body was of a light Brown, marked on each Side with Roſe-colour and Black alternately. The under Wings are of a pale Roſe-colour, with croſs Stripes of Black. The Eggs are of a pale green-Colour; they hatch in a few Days after they are laid. I had one that laid about ſixty Eggs, which came all to Perfection. From one of theſe CATERPILLERS taken in the Fields was produced a very large *Ichneumon*, the Body and Tip of the Tail were Black, the Legs and other Parts of a deep Yellow, the Wings and Horns tipt with a Shade of Black. We eaſily find theſe and moſt other large CATERPILLERS by ſeeing their Dung under the Tree or Buſh on which they feed. See *Ray's Hiſt. Inſect. p.* 144. *n.* 1. *Mouſet*, *p.* 91. *n.* 5. *p.* 182. *ch.* 2. deſcribes the CATERPILLER; ſo doth Mr. *Ray*, *p.* 145.

DESCRIPTION *of the Eighth* PLATE.

THE CATERPILLER *a* is of a yellowiſh Green, with oblique yellow Stripes on his Sides, ſpotted with a double Row of crimſon Spots; the *Holders* and *Feet* of the ſame Colour of the Spots, the *Horn* in his *Tail* blueiſh. It was taken the 23d of *Auguſt* on the *Dutch Willow*, in the Marſhes near *Rotherhith*: I fed them till the 7th of *September*, at which time ſome of them went into the Earth, which I had purpoſely put at the Bottom of the Box in which I kept them, and changed into a *Chryſalis* expreſſed at *c*. (Some of theſe ſpotted CATERPILLERS that were taken the 21ſt of *Auguſt* 1714, remained alive in the *Chryſalis* till the 4th of *May* 1716.) And Mr. *Derham* hath obſerved, not only thoſe of the *Butterfly* and *Moth* Kind, but many other Tribes alſo, to lye long in their *Chryſalis* State, when kept in Boxes, *&c.* and ſo are deprived of their natural way of Hatching; ſome of which have lain two Years and more before they have broken Priſon and flown abroad, and ſome have in that time been dried up in their *Chryſalides*, and others that have arrived to their mature Inſect State, not being able to make their way out, have periſhed in their Caſes.

The Cauſe of all this is, no doubt, the want of thoſe kindly Impregnations, Humectations, and Nutriment they meet with in the moſt natural Beds they make themſelves in the Earth or open Air, to which the great Author of Nature hath ſo admirably adapted the Bodies of thoſe little Creatures, that no Weather, no not the ſevereſt Froſts, can hurt them. Of this many Examples might be given in almoſt every Tribe; but that of Dr. *Liſter*, in his Note on *Goedart*'s 26th, ſhall ſuffice, who ſaith, *That in the Middle of Winter he hath found both Caterpillars and Hexapod Maggots in the Snow, which were ſo frozen, that they would rattle in a Glaſs like Stones: but being thawed and warmed would creep briskly about, and try to make their Eſcape.*

The CATERPILLER *b* is of a blueiſh green Colour with yellow Stripes, except that next his *Tail*, which was white, edged with a ſmall Row of black Spots, it had a ſmall crimſon Circle on each Joint: His *Feet*, *Holders*, and *Circle* of the *Face* were of the ſame Colour as the Body. It was taken the 16th of *July* on the *Willow-Tree*, on which it fed till the 27th of the ſame Month, at which Time ſome of them went into the Earth, and changed into a *Chryſalis*, and the 5th Day of *May* the Year following came forth a moſt beautiful *Moth*, with Eyes in its under Wings; it is commonly called the *Eyed-Hawk-Moth*. One of theſe CATERPILLERS, before its time of Change, had ſeveral Maggots come out of its Sides, which ſpun themſelves Caſes of a brown ſilky Subſtance, and the Summer following produced ſmall *Ichneumon Flies*: The CATERPILLER lived ſix Days after the Eruption of the Maggots without eating. See *Liſter's Goedart*, *n.* 24. *Merian*, *Vol.* 2. *Chap.* 37. *Ray*, *pag.* 148. *n.* 2. *Mouſet*, p. 91. *n.* 6.

a

11

d

e

12

b

c

To the Honorable

Mary Somerset now Mrs Grenile

this plate is humbly Dedicated by Eleazar Albin.

E Albin del

Hi Smeaton Sculp. Londini 1753



d

g

b

a

e

f

c

13

To the most Noble

Mary Dutchess of Ormond

this plate is humbly dedicated by Eleazar Albin.

E. Albin del.

R. Sengleton, Sculp. London, 1713.

DESCRIPTION *of the Ninth* PLATE.

THE CATERPILLER *a* is Greeniſh, ſpotted with Black, having two Spots like Eyes on each Side the Body near the Head; the Horn on the *Tail* was tipt with Black: when he is diſturbed, or has done Feeding, he draws in his Head like a Tortoiſe.

The CATERPILLER *b* is of a dark Brown, with Rings and Streaks of a lighter Colour, the *Horn* on his *Tail* tipt with Yellow, in every thing elſe like the former. They were found the 26th of *June* on the *White Lady's Bedſtraw* in the Marſhes, on which I fed them till the 7th of *July*, at which Time ſome of them ſpun themſelves up in the Leaves of the *Bedſtraw*, and changed into a *Chryſalis*, and the 15th of *April* following came a moſt beautiful *Moth* of an Olive-green and Roſe Colour, prettily intermixed on both Sides. One of theſe CATERPILLERS being fly-blow'd the Spring following, came forth an *Ichneumon* expreſſed at *g*, whoſe Body was Black and ſpotted with reddiſh Brown. I obſerved ſomething in this CATERPILLER very remarkable, *viz.* his Dexterity in Swimming; for commonly feeding in or near the Water, if at any time he happens to fall in, he turns himſelf on his Back, and ſwims with his Head and Tail turned together till he gets hold on ſome Part of the Plant, by which he helps himſelf up again. The CATERPILLER *b* I take to be *Goedart's* 26th, which he calls *the Elephant*. See alſo *Ray's Hiſt. Inſects*, *p.* 145. *n.* 2.

DESCRIPTION *of the Tenth* PLATE.

THIS CATERPILLER is of a blueiſh Green, full of white riſing Specks: It has yellow Stripes on his Sides, the hindermoſt of which extending to the under Part of the *Horn* on its *Tail*, ends there in Orange-colour, having a Circle of the ſame Colour juſt below it. (I have likewiſe found ſome of them with two Rows of crimſon Spots on their Sides, and of a yellowiſh green Colour like the CATERPILLER *a* in Plate the 8th.) This was taken the 17th of *July* on the *Lime-tree*, on which I fed it ſeveral Days. Before it changed into a *Chryſalis*, it turned purpleiſh on its *Back*, and the Belly pale Liver-colour; the *Horn* on his *Tail* of a deep Blue, the Orange-colour and white Specks remaining very pale. It went into the Earth the 22d Day of *July*, and changed into an *Aurelia* or *Chryſalis*, and remained in that State till the 15th of *April*, the Year following, then came forth a beautiful ſcollop-wing'd *Moth*, having a curious Mixture of Olive-green and Peach-colours in his Body and Wings: Their Eggs are of an oval Shape, and green Colour. I never found theſe CATERPILLERS ſo numerous, as to hurt the Trees. This CATERPILLER ſeems to be more like *Goedart's* 25th, than that in *Tab.* 7: He ſaith the *Horn* in its *Tail* is poiſonous, and that it defends itſelf therewith as with a Sting: I have obſerved ſeveral of theſe Tribes, and others that have not theſe Horns or Bunches, to ſhake or turn themſelves when any *Fly* or *Ichneumon* ſettles on them. See *Merian*, *Vol.* 2. *chap.* 24.



To the Right Honorable

Charlotte Herbert Vicountess Windsor

this plate is humbly Dedicated by Eleazar Albin.

E albin del.

I. L. Terasson Sculp. London, 1713.



















To the most Noble

Mary Capell Dutchess Dow.r of Beaufort

this plate is humbly Dedicated by Eleazar Albin.

E. Albin delin.

H. Terasson Scul:

DESCRIPTION *of the Eleventh* PLATE.

THIS CATERPILLER hath the *Belly* and *Sides* of a yellowiſh Green, with a ſmall white Spot on each Joint; the *Back* is of a blueiſh Green ſpecked with White, and is parted from the yellow Green by a white Streak continued from the black Spots (repreſenting Eyes) to the purple Gibboſity on the *Back*, from thence paſſing obliquely down the Sides to the firſt Pair of Holders, where it is interrupted by a deep Purple, and riſes again about the ſecond Holders, and ends at the forked Tail. From the purple Gibboſity on the *Back* and purple Interruption on the *Side*, a Shade of Purple is continued all along the upper Part of this white Streak. It has a deep purple Streak on each Side the *Belly*. There are ſometimes white Circles and purple Spots on their *Sides*, which ſeem to be accidental, for in all I have ſeen they have varied. The out Circle of the *Face* is of a bright Yellow, the ſecond of a deep Roſe-colour, the third Black, and the middle of a Peach-colour. His *Head* (like that of a Tortoiſe) was put forth and drawn in at pleaſure. The *Fore-feet* were of an Aſh-colour, as was alſo the *forked Tail*, and ſpeckled with Black. When it is diſturbed, it thruſts out of its Fork two ſcarlet Tips or Points, in an angry manner, as a Defence, but I could not perceive they were hurtful; having ſeveral times applied my Hand to them, I found them ſoft, and the CATERPILLER protrudes or retracts them as he pleaſes with great Facility. Theſe CATERPILLERS are found on the *Willow* and *Poplar* Trees from the latter end of *June* to the middle of *Auguſt*. In four or five Days after I had taken them, they made themſelves, by gnawing the Wood of the Box into ſmall Bits like Saw-duſt, a hard Caſe, working it with a glutinous Matter, which their Bodies afford, as it is expreſſed at *b*, in which it changed into a *Chryſalis*, marked *e*. The *Moth* came forth in *May*; *d* repreſents the upper, and *e* the under Sides of it, being of an Aſh-colour, ſtriped and ſpotted with Shades of Black. The *Eggs*, marked *f*, are of a pale Liver-colour, their under Side flat, and the upper Side riſing in a conick Figure. Obſerving ſeveral of theſe CATERPILLERS to have Eggs or Fly-blows ſticking on them, I plucked them off from ſome, and left them on others, to ſee the Event: The firſt produced *Moths*, the other *Maggots*, which ſtick faſt to the CATERPILLERS by their Tails, which are in ſhining Caſes about one fifth part of their Length. They pierce his *Body* with their *Proboſcis*, which is ſmall and ſharp, thereby ſucking their Nutriment from him. I plucked ſome of their *Proboſcis* out of him, they ſtill remaining faſt by their Tails in the Caſes, and they after ſome time penetrated him as before. Theſe *Maggots* made themſelves Caſes of an earthy Colour, expreſſed at *g*, and in *May* the Year following produced the *Ichneumon* expreſſed at *h*, being of a light brown Colour. See *Liſter's Goedart*, *n.* 20. *Mouſet*, *p.* 183. who calls the CATERPILLER *Eruca Vinula*, *i. e.* the *Beau*; ſo doth Mr. *Ray* from him, *pag.* 153, where both the *Moth* and *Caterpiller* are well deſcribed.

DESCRIPTION *of the Twelfth* PLATE.

THE CATERPILLER (commonly known by the Name of the *Silk worm)* is of a pale Cream-colour inclining to White, with ſmall dark Circles on each Joint, and two half Circles on his Black. They are hatched from Eggs of the preceding Year in *May*, and being put on convenient Boards, are placed in an airy and temperate Room, and fed twice a Day with freſh *Mulberry* Leaves. *N. B.* If the *Mulberry* Leaves are not put forth, you may feed them at firſt on *Lettice* or *Succory* Leaves. They muſt be kept very clean and dry; ſome rub the Boards on which they lay them with *Wormwood*, and ſprinkle it with *Wine*, and then dry them well before they put them on again. Notwithſtanding this Care, they are ſubject to ſeveral Diſeaſes, which often obliges ſuch as keep them to remove them for Change of Air, and ſometimes to perfume the Room with Incenſe, Benjamin, and Vinegar. They are to be defended alſo from *Cats*, *Birds*, *Ants*, and *Flies*; they ſuffer likewiſe by *Lightning*, *Thunder*, or any harſh Sound. They feed about forty Days, during which time they change their *Skin* four times, not eating for ſome time before each Change. When their time of Spinning draws nigh, which is known by their being tranſparent and reſtleſs, they are put into little Coffins of Paper, rolled up like a Wafer, and pinned up againſt a Wall, or Hangings of a Room. *N. B.* In *Spain* and *Naples* they put Branches of *Vines* and *Birch-Trees* dried for them to ſpin up in. After its Change into a *Chryſalis*, it lies about fifteen Days before the *Moth* comes out, which is repreſented in the Copper-plate at *d e*, being of the ſame Colour with the CATERPILLER, the *Male* having a leſſer Body and broader *Horns* than the *Female*, as moſt of the *Moths* of the *Male kind* have. After they have purged themſelves, they couple and lay *Eggs*, every *Female* laying near 160, which are firſt Yellow, and after of a Liver colour. Mr. *Derham* makes mention, in his *Phyſico-Theology*, pag. 388, of an ingenious *Gentlewoman* who had the Curioſity to meaſure the *Silk* that compleated one of their *Caſes*, which was found to be above 300 Yards, and weighed but two Grains. If you have not time to wind them off preſently after the *Caſes* are compleated, put them in an Oven after the Bread is drawn, letting them ſtand ſome time: This kills the *Moth*, which would elſe eat her way out, and ſpoil the *Silk*; you may then keep them as long as you pleaſe. See *Philoſ. Confer. of the Virtuouſ. of France*, *Vol.* 2. *p.* 402. *Goedart*, *p.* 1. *Tab.* 42. *Merian. Vol.* 1. *p.* 1. *Malpighi de Bombyce.*

d

d

e

f

16

a

g

b

c

h

To the most Noble
Mary Dutchess Dow.r of Bedford
this plate is humbly Dedicated by Eleazar Albin.

Fa. Albin del. *H. Fenshaw Scul. London.*







To the Right Honorable
The Lord Bruce .

this plate is humbly Dedicated by Eleazar Albin

H: Terasson Sculp. London. 1714.

DESCRIPTION *of the Thirteenth* PLATE.

THE CATERPILLER *a* is of a pale Blue, having three ſquare Spots of Yellow on each *Joint*, and on each of them four ſmall black Spots; it hath two large Spots of Black on the *Head*, repreſenting *Eyes*. It was taken the 22d of *May* on the *Black Thorn*; it likewiſe feeds on the *White Thorn*, *Bramble*, and *Crabtree*. The 27th of *May* it ſpun itſelf up in a *Caſe b* on a Branch of its Food, in which it changed into a *Chryſalis c*. The 26th of *Auguſt* came forth the *Moth*, the upper ſide *d* Brown and Aſh-colour'd, with a double Spot of a Yellowiſh White like a Figure of Eight in each upper Wing; the under ſide of the *Moth e* is of a light Hair Colour.

The CATERPILLER *f* is White, and ſpotted with Black and Yellow all over the *Body*, *Feet*, and *Holders*; the *Head* Yellow ſpotted with Black. It was taken on the 20th of *May* feeding on the *Water Betony*; it alſo feeds on the *Mullein*. The 30th of *May* it went into the Earth, which I had provided at the Bottom of the Box, in which I fed it; and made a hard *Caſe*, expreſſed at *g*, of the Earth and a Webby Matter near a quarter of an Inch thick, to ſecure itſelf from the Injuries of the Weather, *&c.* In this *Caſe* it changed into a *Chryſalis h* of a Tawny red Colour, and at the beginning of *March* following came forth the *Moth i*, of a Buff Colour ſhadowed with dark Brown. Some of theſe CATERPILLERS were fly-blown, each of which produced five or ſix dark red *Chryſalides l*, from each of them came the *Fly* expreſſed at *m*. See *Ray's Hiſt. Inſects*, *p.* 168. *n.* 25.

DESCRIPTION *of the Fourteenth* PLATE.

THE two CATERPILLERS *a a* are of the ſame Species, altho' of different Colours, the uppermoſt of which was of a reddiſh Colour intermixed with Green and darker Shades, the lowermoſt was Green and clouded like the former, but without any Red; they were both ſpotted with white Specks, circled with Black all over their Bodies, and had two Riſings or Bunches at the *Tail*. I always found them in the Poſture they are drawn in, cloſe to the Stem, except when feeding. They were taken the 17th of *May* feeding on the *White Thorn*; they alſo feed on the *Black Thorn* and the *Crab-Tree*. The 22d of the ſame Month they went into the Earth in the Bottom of the Box, and changed into a *Chryſalis* of a reddiſh brown Colour expreſſed at *b*, and about the middle of *September* came forth the *Moth c*: the *Upper Wings*, were a mixture of reddiſh Brown and Buff Colours, and over all, Lines of a light Green; the *Under Wings* and *Under Side d* were of a pale Ruſſet Colour.

The CATERPILLER *e* is of a reddiſh Purple Colour, with Blue Spots and ſmall Black Circles on each *Joint*; it had two *Riſings* on the middle of its *Back*, and one at the Tail, with two large Spots of Orange-Colour below it: It always ſtood in the Poſture figured in the Plate, with its hinder part lifted up from the *Branch*, except when moving or feeding. This CATERPILLER was taken the 9th of *July* feeding on the *Dutch Willow* in the *Marſhes* near *Rotherhithe*. Before its Change the Riſings on the Back and Tail fell in, and the whole Body turned blackiſh: It ſpun itſelf up in the *Leaves*; I had *another* which buried itſelf in the *Earth* in the ſame Box. They both changed into *Chryſalides* as *f* expreſſes, towards the middle of *July*; and the beginning of *Auguſt* came forth the *Moth g* of a light Brown Colour heightened with White, and ſtreaked with Lines of Black. *Goedartius* ſeems to deſcribe the firſt of theſe *n.* 23. and the latter *n.* 22. and calls it *the Terrible Eruca*; the Riſings on the Back, he ſaith, are a Guard to defend himſelf. See *Liſter's Goedart*, *n.* 21.





TO THE MOST NOBLE

Henry Duke of Beaufort

this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

S. Ireland Sculp. London 17 13/54.







To the Right Honorable
Thomas L^d. Trevor
Lord Cheif Justice of His Majestics Court of Comon pleas
this plate is humbly Dedicated by Eleazar Albin.

DESCRIPTION *of the Fifteenth* PLATE.

THE CATERPILLER *a* hath its *Head* and *Back* of a light brown Colour, the *Belly* of a light Hair Colour, parted from the Brown by an indented Line of Black, edged with White. It was taken feeding on a *Peach Tree*, in a Garden at *Hackney*, the 21ſt of *May*, and the 25th of the ſame Month it went into the *Earth in the Box*, and changed into a *Chryſalis b*; and at the latter End of *June* came forth the *Moth* expreſſed at *c*, the *upper ſide* brown, with Lines and Circles of White in the upper Wings, the *under ſide d* of the ſame Colour, with a Border of light Hair Colour, divided in the Middle by an Ingrail'd Line of Black. This CATERPILLER I have rarely found.

The CATERPILLER *e* is of a deep Tawney, with a Row of *Chevron-like* black Streaks all along the *Back*, the Angles pointing towards the *Tail*, with ſome dark Spots on its *Sides*. It was taken on the *Oak* the 14th of *June*, near *Dulwich*; ſome of the ſame have been taken alſo near *Woolwich* in *Kent*, others in *Canewood* near *Hampſtead*. It went into the Earth the 24th of *June*, and changed into a *Chryſalis f*; and about the Middle of *Auguſt* came forth a beautiful *Moth*, expreſſed at *g*, the *Back* and upper Wings of a deep Orange Colour, the *Belly* and under Wings of a Cream Colour, with faint Shades of Orange and Streaks of Roſe Colour.

DESCRIPTION *of the Sixteenth* PLATE.

THE CATERPILLER *a* is of a dark Purple Colour with a Mixture of Red and Brown; it hath four Blue Spots on its *Back* near the *Head*, it had *Flaps* or *Lappets* on every *Joint*, which makes him appear to have ſo many *Feet*. It was taken on the *Alaternus* about the middle of *May*; it alſo feeds on the *Lauruſtinus*, *Black Thorn*, *White Thorn*, and *Bramble*. On the 28th of *May* it ſpun itſelf up in the Leaves in a Greyiſh Silkey *Web* as *b* expreſſes, and changed into a *Chryſalis c* almoſt of the Colour of the CATERPILLER, and on the 21ſt of *July* came forth the *Moth d* of a reddiſh Colour with three ingrailed Lines of Black acroſs the *Upper Wings*, and two of the ſame in the *Under Wings*; the under ſide of the *Moth* is of the ſame Colour: the young CATERPILLERS live all the Winter. I have fed them on the *Bramble* till the latter End of *April*, and then given them *White Thorn* and *Black Thorn* to feed on, and brought them up till their Change. The *Moth* in its ſitting Poſture is repreſented at *e*, which is particular to this kind of *Moth*.



TO THE MOST NOBLE

Mary Preston Dutchess of Powis

this plate is humbly dedicated by Eleazar Albin.

E. Albin del.

H: Fenesson, Sculp. 1713



U.S.D.A.





TO THE MOST NOBLE

Mary Sherburn Dutchess of Norfolk

this plate is humbly Dedicated by Eleazar Albin.

DESCRIPTION *of the Seventeenth* PLATE.

THE CATERPILLER *a* is of a light Brown Colour, ſpotted with Black and Orange, the Head of a pale Buff; it had a broad Stripe of White between each Joint on the Sides. It was found at the Beginning of *May*, feeding on Graſs, and at the latter End of the ſame Month it ſpun itſelf up in a *Web* expreſſed at *b*, like whited-brown Paper, on the Stalks of the *Graſs*, and changed into a *Chryſalis c*; about the latter End of *June* came forth the *Moth*; the *Male* repreſented at *d* is of a Browniſh Colour, with two White Spots, and a Line of a deeper Colour from the Tip to the Middle of the Inſide of the *Upper Wings*; the *Horns* are large and feather'd, as are thoſe of the *Males* of many other Species; the *Female f* is of a yellowiſh Buff, with the ſame Marks in the *Wings* as the former. I opened one of theſe CATERPILLERS, which died without ſpinning or changing, and found it had been *Fly-blown*, for in it were ſix large *Chryſalides*, expreſs'd at *h*, from each of which came forth a *Fly*, as in the Plate at *i*. Two of the *Moths*, within a few Days after their Change, coupled, and the *Female* laid *Eggs* of a flattiſh round Form, and Whitiſh Colour, with a Circle and Spot of Green on each. They hatched towards the latter End of *July*, and the CATERPILLERS lived all Winter. I have found them in the Fields in *October* and *November*, under *Hedges* and ſhelter'd Places, about the Bottom of the *Stalks of Graſs*. This CATERPILLER is the ſame with that in *Liſter's Goedart*, *n.* 82. who ſaith, *it is a thirſty Animal, and drinks by dipping its Head in the Water, and then lifting it up as Hens do, which it repeats over and over again, for which reaſon it bears the Name of* the Drinker. See alſo *Ray*, *Hiſt. Inſect. p.* 142. *n.* 3.

N. B. I have never obſerved this, tho' I have brought up many.

DESCRIPTION *of the Eighteenth* PLATE.

THE CATERPILLER *e* is ſpotted on the *Sides* with White, the Openings between the *Joints* of the *Back* are like Black Velvet, the other Parts of its *Body* Brown. It was taken on the *White Thorn* at the beginning of *May*; and about the 10th of *June*, it ſpun itſelf, in the *Leaves*, *a brittle Brown Caſe b*, in Form of an *Egg*, like CATERPILLER *a* in the next Plate; *(for which reaſon they are called by ſome the Great and Small Egger,)* in the aforeſaid *Caſe* it changed into a *Chryſalis* as is expreſſed at *c*, and at the latter end of *June* came forth the *Moth*; the *Body* and *Wings* of the *Male d* are of a Brown Colour towards the Shoulders, the lower Part of both *Wings* are of a lighter Brown, with a Stripe of Yellow in the Middle, between the Shades, and a Spot of White in each *Upper Wing*; the *Female f* is of a pale Tawny with the ſame degrees of Shades, and the like Spots as the *Male*. Theſe *Moths* coupled, and laid Eggs of an Oval Form, and ſpotted like thoſe of a *Turkey*. They hatched at the latter End of *July*, and lived with me all the Winter. I fed them firſt on *White Thorn* and *Black Thorn*; when theſe failed, on *Bramble*, the Leaves of which are to be found all Winter; and in the Spring following I gave them their Liberty, knowing their Change. See *Godart, p.* 1. *Tab.* 7. *Liſter's Godart, n.* 88. *Marian, Vol.* 1. *Chap.* 10. *Mouſet, p.* 92. *n.* 9. *Ray's Hiſt. Inſect. p.* 142. *n.* 2. who calls it *Phalæna maxima fulva, alarum exteriorum ſuperiore medietate intenſius colorata, cum maculâ in medio alba, inferiore dilutiore.*

f

g

a

h

25

c

e

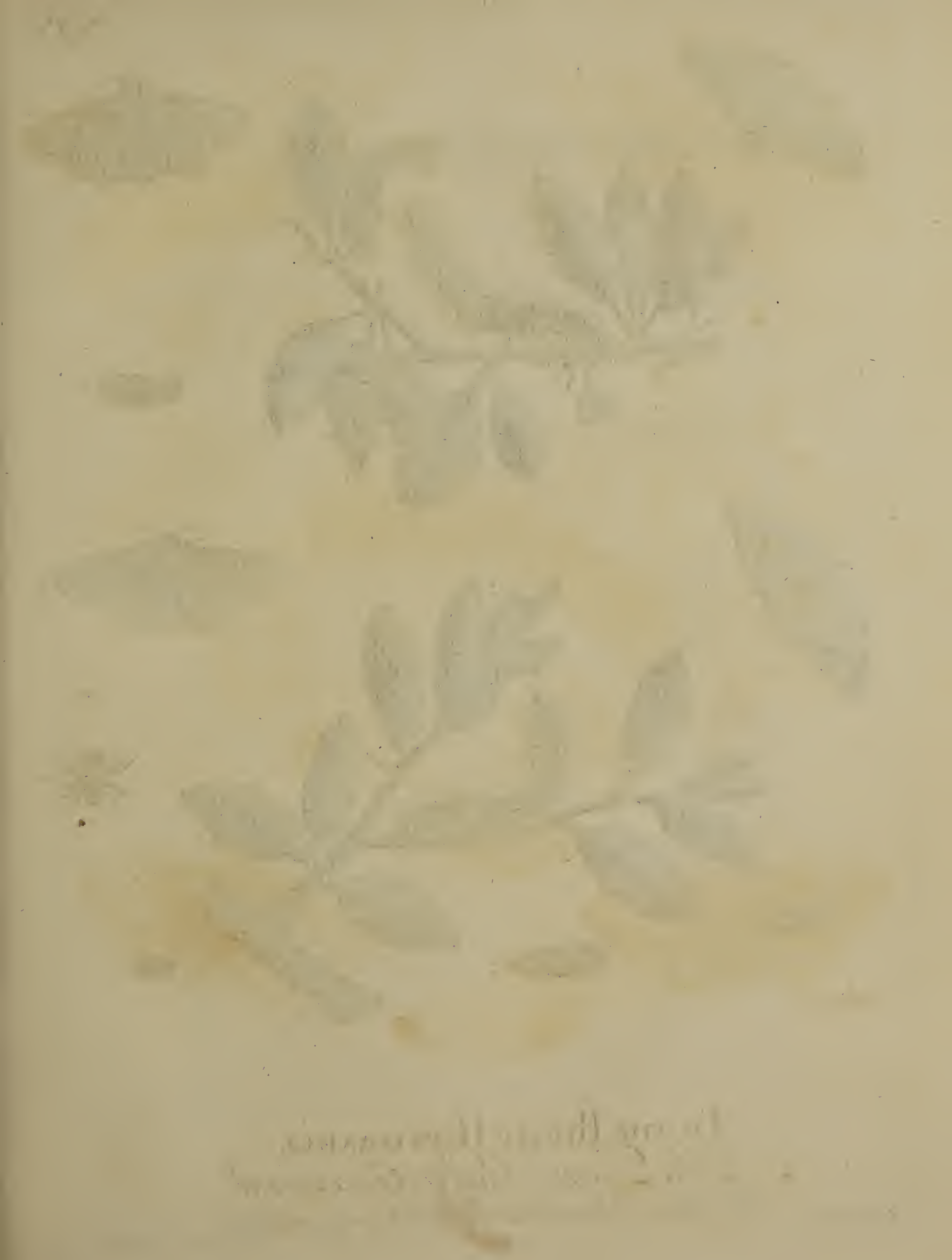
d

b

To the Most Noble
Henrietta Somerset Dutchess of Grafton
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H. Terasson, Sculp. London.



c

d

a

b

26

g

h

e

m

k

f

i

l

27

To the Right Honorable.
The Dow.r Lady Gerrard
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H. Fenyon. Sculp.r London, 1713.

DESCRIPTION *of the Nineteenth* PLATE.

THE CATERPILLER *a* is Black, with two Rows of Brown Spots encompaſſed with Yellow on his *Back*; the *Head* is of a Browniſh Aſh Colour; the *Feet* Black, and the *Holders* Red. It was taken on the 17th of *June* on the *Black Thorn*, and the 12th of *July* it ſpun itſelf up in the Leaves, a brown hard brittle *Caſe* in ſhape like a *Bird's Egg* (after the manner of the CATERPILLER in the Eighteenth Plate) and changed into a *Chryſalis* expreſſed at *b*, out of which came forth the *Moth c*, the Body and *Upper Wings* of a pale reddiſh Brown, with two White Spots, and a Line of the ſame acroſs each Upper *Wing*; the under ſide *d* had the ſame Marks, but ſomething paler. Theſe CATERPILLERS are always found in Colonies, the whole Neſt of them feeding together, till they are ready to change; as ſoon as they are hatched from *Eggs* they ſpin a *Web* to ſhelter themſelves from the Weather, and as they grow, enlarge it with ſeveral Diviſions; they ſeldom go from the Plant they are firſt hatched on, till they have eaten it quite bare, and want food; when they go abroad to feed, they ordinarily ſpin a Thread from their main Web to guide them home again; this is very particular, and ſeems neceſſary to them; for I could never feed them up without taking the whole Neſt with their Web.

The CATERPILLER expreſſed at *e* is ſtriped with Blue and Orange Colour on his *Sides*, and a White Stripe down the *Back* reſembling a laced Livery, from whence it is commonly call'd the Lacquey; the *Head* Blue, with two Spots in Imitation of *Eyes*; it has ſmall Tufts of Hair on each *Joint*. It was taken the 30th of *May* on the *Black Thorn*, and on the 20th of *June* it ſpun itſelf up in a Yellowiſh Silky Web (from which, when torn, fell a Yellow Powder like Flower of Brimſtone) and changed into a *Chryſalis f*, and the 25th of *July* came forth the *Moth g* of a Tawney Fleſh Colour, having a Diviſion of one third of the middle of the Upper Wings of a darker Colour. The *Moth* lays her *Eggs* in a Spiral Order round the young Twigs of ſuch *Trees* as are proper Food for the CATERPILLERS, which are not very nice, for they eat the Leaves of any *Fruit Trees*, *White Thorn*, *Black Thorn*, *Bramble*, *Lawrel*, and ſeveral others; they are hatched in the Spring, when the young Leaves come forth, and keep together in a Web while young, ſo eaſily deſtroyed, if care be taken then. Some of them were Fly-blow'd, and produced the *Maggot* expreſſed at *k*, which changed into the *Chryſalis l*, from which came the *Fly m*. See *Godart*, *p.* 1. *Tab.* 10.

DESCRIPTION *of the Twentieth* PLATE.

THE CATERPILLER *a* is Black, the Hair on the two *Joints* next the *Head* and on the *Sides* Orange Colour, and on the *Back* Black. It hath a Row of ſmall White Spots, reſembling Pearl, on each *Joint*. When any thing diſturbs it, it rolls itſelf up like a *Hedge-hog*, and lieth in that Poſture while apprehenſive of Danger, afterwards haſtens from that Place. It was taken in the Beginning of *May*, feeding on the *Plum-Tree*; they likewiſe feed on the *Currant-Tree*, *Nettles*, *Teaſel*, *Lettuce*, *Chickweed*, and many other Plants; it ſpun itſelf up to the Side of the Box in a thin Greyiſh *Web* the 10th of *June*, and changed into a black *Chryſalis* the 17th of the ſame Month, and the 3d of *July* came forth a beautiful *Moth c*, the *Body* and *Upper Wings* of which are dark Brown, divided by ſeveral broad Streaks of White; the *Belly* and *Under Wings* Red, ſpotted with Black, the under Side of the *Moth d* of the ſame Colour, but paler. The young CATERPILLERS are hatched in Autumn, and live all Winter. I took ſome of them which were Fly-blown, the *Maggots* eating their Way out of their *Sides*, ſpun themſelves *Caſes* of Yellow Silk, and produced the *Ichneumon* expreſſed at *f*. See *Liſter's Godart*, *n.* 99. *Mouſet*, 15. *p.* 93. and the CATERPILLER his 2d, *p.* 186. See alſo *Ray's Hiſt. Inſects*, *p.* 151. *n.* 3. and *p.* 152. *n.* 7. alſo *Marian*, *Vol.* 1. *ch.* 5.

c

f

a

28

e

d

b

To the Lady Drake Wife of Sam.l Trotman, E.sq.
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.







TO THE R^T HON.^BLE

Henry Bentinck Earl of PORTLAND

this plate is humbly Dedicated by Elcazar Albin.

E. Albin del.

H. Ferguson. Sculp. 1713.

DESCRIPTION *of the Twenty-firſt* PLATE.

THE MOTH, whoſe *Upper Side* is repreſented at *c*, and *Under Side* at *d*, was brought me in *June*. It laid *Eggs* like ſmall Pearls, which towards the latter End of the ſame Month produced *Hairy blackiſh* CATERPILLERS, with ſmall Brown Spots on each *Joint*, their *Heads*, *Feet*, and *Holders* Crimſon. I fed them upon *Bramble*, *Black-Thorn*, *Burdock*, *Nettles*, and *Chickweed*; they liv'd through the Winter, and about the Beginning of *May* ſpun themſelves up in a thin *Web*, and changed into a *Chryſalis b*, and on the 20th of *May* came forth the *Moth*, whoſe *Upper Wings* and *Body* were Black, with large Cream Colour Spots; the *Under Wings* are Orange Colour ſpotted with Black; the under Side of both were of the ſame Colours. The *Belly* Black edg'd with Scarlet. See *Marian*, *Vol.* 1. *ch.* 6.

The CATERPILLER *e* is of a dark Brown Colour, with Black Spots, and a ſmall Yellow Spot on each *Joint*, the *Head* and *Feet* Black, the *Holders* edged with Red. It was taken the 8th of *Auguſt*, feeding on *Water-mint*; it alſo feeds on the *Dutch Willow*, *White-Ladies-Bed-Straw*, and ſeveral other *Plants* that grow near the *Water*. The 12th of the ſame Month, one of them went into the Ground, and changed into a very Black *Chryſalis*, with ſmall Black Spots on the *Sides*, and the 23d of *May* following came a White *Moth* with ſmall Black Spots on its *Wings*, the upper Part of the *Belly* Orange Colour ſpotted with Black. I was ſurprized to ſee a CATERPILLER and *Chryſalis* both ſo Black produce a *Moth* ſo very White.

DESCRIPTION *of the Twenty-ſecond* PLATE.

THE CATERPILLER *a* is marked with indented Streaks of Black and Yellow, with Rings and Spots of the ſame Colour on each *Joint*, the *Head* and *Feet* of a deep Black, the *Holders* of a browniſh Red. It was taken the 14th of *April* feeding on *Hounds-Tongue*; and the 7th of *May* it went into the Ground and changed into a *Chryſalis*; and the 3d of *June* came forth a very beautiful *Moth*, the *Back* and *Upper Wings c* of a dark ſhining Green, ſpotted with White and Yellow, the upper Part of the *Belly* Red, with a Black Stripe down the middle, the *Under Wings* Red ſpotted with Black, the *Under Side d*, the *Breaſts* and *Belly* Black, the *Wings* of the ſame Colour with the *Upper Side*. Theſe CATERPILLLERS being at full Growth ſo early in the Year, makes me believe they live all the Winter, as ſeveral others do. See *Marian, Vol. 2. ch. 8.*

The CATERPILLER *e* is of a Brown Colour, with a Yellow indented Stripe on each *Side*, and a Spot of Red, with a ſmall Speck of White on it, on each *Joint*; the *Back* is very elegantly marked with oblong Spots of White and Red; the *Head*, *Feet*, and *Holders* are of a pale reddiſh Brown. They were taken the 24th of *Auguſt* on the *Knot Graſs*; they likewiſe feed on the *Bramble*. Some of them ſpun up againſt the Side of the *Box* the 29th of *Auguſt*, mixing their *Hair* in the *Web*, and the 12th of *May* following came forth the *Moth*; the *Back* and *Upper Wings* of a light Hair Colour with Shades and Lines of Black, the *Under Wings* and *Under Side* of the whole *Moth* are of a paler Colour.















TO THE MOST NOBLE

Bridget Hide Dutchess of Leeds

this plate is humbly Dedicated by Eleazar Albin.

E. Albin del. *H. Terasson, Sculp. London.*



a

c

33

b

d

e

g

h

i

34

f

To the Right Honorable
Thomas Earl of Strafford
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H. Terasson, Sculp. 1713

DESCRIPTION *of the Twenty-third* PLATE.

THE CATERPILLER *a* is Yellow and Black, ſo mixed as in a manner to reſemble *Scotch* Plad; the *Head*, *Feet*, and *Holders* are Black, with a Spot of the ſame on each *Joint*. They were taken the 20th of *Auguſt* on the *Oak*; I have alſo found them feeding on *Lime-tree*, *Swallow*, *Willow*, and in great numbers on the *Oſiers* in the *Aits* near *Brentford* (where I ſhot a young Cuckow, and opening him, found his Crop full of them;) ſome of them went into the Ground the 4th of *September*, and changed into a *Chryſalis* expreſſed at *b*. The 30th of *May* following came forth a beautiful *Moth*, the *Upper Wings c*, of a bright Aſh Colour, ſhadowed and powdered with light Brown, with double ingrail'd Lines of Red and Black acroſs them, the *Back* and Tip of the *Upper Wings* have a large Spot of Buff on each of them; the *under Side* of the *Moth* is of a pale Buff inclining to White. See *Liſter's Godart*, *n.* 95. *Ray's Hiſt. Inſects*, *p.* 162. *n.* 14.

The CATERPILLER *e* is of a dark Brown, with Stripes of Yellow from *Head* to *Tail*, the *Head*, *Feet*, and *Holders* are Brown. They are found on the *Oak*, *Haſel*, and *Lime-Tree* towards the latter End of *May*. One of thoſe I fed went into the Ground about the 20th of *June*, and changed into a *Chryſalis* as *f* expreſſes, and the 10th of *February* following came forth the *Moth g*, of a pale reddiſh Brown; one of theſe CATERPILLERS being fly-blow'd, produced an *Ichneumon* at *h*, of a dark Red Colour, on the 28th of *April*.

DESCRIPTION *of the Twenty-fourth* PLATE.

THE CATERPILLER *a* is of a Brown Colour on the *Back*, the *Belly* is of a yellowiſh Green, parting from the Brown by an Aſh Colour Streak ſpotted with Yellow, the *Head* and *Feet* are of a Browniſh Yellow. It was taken the 16th of *July* on the *Jeruſalem Artichoke*; they feed alſo on *Elder*, *Nettles*, *Lettice*, and divers other *Plants*. They ſpun up about the Middle of *Auguſt*, and changed into a *Chryſalis b*, and the 15th of *May* following came forth the *Moth c*, of a Buff Colour ſpotted with Black; their *Eggs* are of a light Green. They hatch'd the 13th of *June*. The CATERPILLERS, when firſt they came forth of the *Eggs*, were all White and Hairy; ſome of them were *Fly-blown*, and each produced one *Chryſalis* and *Fly*, repreſented at *e* and *f* in the Plate. Theſe CATERPILLERS are very common and miſchievous in moſt Gardens, but may be eaſily ſhaken off the *Plants* and killed. This is *Godart's* 93d, in Dr. *Liſter*'s Edition.

The CATERPILLER *g* is of a dark Brown Colour, with a Stripe of Red down the *Back*, the *Head* and *Feet* Black. It was taken in a Garden near *Hackney* the 14th of *Auguſt*; it fed on *Graſs*, *Chickweed*, *Orach*, *Willow*, and ſeveral other *Plants*. The 2d of *September* it ſpun itſelf up in the Leaves, and changed into a *Chryſalis*; the 14th of *March* following came forth the *Moth*, the *Wings* on both Sides White ſpotted with Black, the upper Side of the *Tail* Orange Colour, ſpotted in like manner. This CATERPILLER is not very common, (this is *Godart's* 96th.) By the Character he gives of the CATERPILLER it deſerves the Name of the *Diſſembler*. See *Merian*, *Vol.* I. *Ch.* 46.















To S^r^ Tho: Lee of Harlwell in the County of Bucks Bar^t^.
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del. H. Fenton Sculp. London.


e


a

37


f


d


h


b


g


c

To the Most Noble
Catherine Dutchess of Buckingham
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H. Terasson, Sculp. London

DESCRIPTION *of the Twenty-fifth* PLATE.

THE CATERPILLER *a* is at the firſt Hatching black and rough, with Stripes of Orange Colour on his *Sides*, in which State he continues fourteen Days, and then caſts his *Skin* and becomes of a Graſs-green Colour with indented Rings of Black ſpotted with Yellow; if you vex him, he will eject a clear Liquor out of his *Sides*, that all his *Hair* will ſtand of a Dew. I am not certain there is any harm in this Liquor, though he ſeems to emit it in his Defence. The 16th of *July* one of them ſpun up himſelf in a tranſparent *Caſe c* with an Entrance much like that of the *Baſkets* which *Fiſhermen* lay to catch *Eels*, and changed into a *Chryſalis d*; and on the 18th of *March* came forth a *Moth*, whoſe *upper Side* is repreſented at *e*, and the *under Side* at *f*; this was a *Male:* the Deſcription of the *Female* follows.

The CATERPILLER *b* is of a more yellowiſh Green, ſpotted with Yellow as the former, with a narrow Ring or Circle round each Spot. This ſpun herſelf up the 20th of *Auguſt*, and the 5th of *April* it produced a *Female Moth*, much larger than the other; they both have an *Eye* in each *Wing*, and their other Marks are very much alike, tho' they differ in Colour: The *Male* being much darker, and his *under Wings* Orange border'd with Red, and that paler towards the Edge. See *Merian*, *Vol.* i. *Chap.* 23.

DESCRIPTION *of the Twenty-ſixth* PLATE.

THE CATERPILLER *a* in this Table is of a yellow Colour; ſome of the ſame *Species* are of a light Green, others almoſt Hair Colour, and ſome Reddiſh; they have all a *Tuft of Hair* on each *Joint* of their *Backs*, of their reſpective Colours; the Openings between the *Joints* are of a fine Black like Velvet, and each of them has a longer and more pointed *Tuft* of Scarlet Hair near the Tail. They were taken the latter End of *Auguſt* on the *Hazel*, and on the 10th of *September* one of them ſpun up, and changed into a hairy brown *Chryſalis b*, with Rings of Yellow; and on the 5th of *February* came forth a white *Moth c d* ſtreaked and motled with Brown. See *Merian*, *Vol.* i. *Chap.* 47.

The CATERPILLER *e* is black, with white Spots on each *Joint*; on the middle of his *Back* are five white Tufts of Hair, the Tops of which are black: It hath a black Tuft on its *Tail*, and two on its *Head* repreſenting *Horns*. They were taken the 10th of *May* on the *White Thorn* near *Pecham* and *Eltham* in *Kent*, and by *the Two Waters in Hertfordſhire*; they alſo fed on *Black Thorn* and *Bramble*. Before they ſpun up, which was about the middle of *May*, the Hair of their Sides turn'd Yellow, and the 11th of *June* came the *Moth g*, of a light hair Colour, ſtreaked croſs the upper Wings, and ſpotted with Orange and powder'd with Black. Their Eggs were of a light Grey, incloſed with a brown woolly Subſtance to preſerve them in Winter. This *Chryſalis* is likewiſe hairy and of a dark brown Colour, repreſented at *f*.

a

d

38

b

c

g

h

39

f

TO THE MOST NOBLE —

Charles Duke of Grafton

this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H. Fourdrinier Sculp. London.


c


a

40


d

a


b

c


g


f


h

i

41


i


k

To the Right Honorable
Henry Earl of Thomond
this plate is humbly Dedicated by Eleazar Albin.

E Albin del.

H. Terrebon. Sculp. London

DESCRIPTION *of the Twenty-ſeventh* PLATE.

THE two CATERPILLERS *a a* in this Table are one of them of a yellowiſh Green, with pale yellow Spots, and in each of them a ſmall black Speck, its *Head* of a browniſh Colour; the other is of a light Brown ſpotted as aforeſaid, and has a yellow Stripe on each Side. They were taken the 16th of *July* on the *Amara Dulcis*, or *Woody Night-ſhade*, on which they fed till the 14th of *Auguſt*, and then went into the *Ground*, and changed into a dark red *Chryſalis*; and the 15th of *May* following produced a reddiſh brown *Moth* expreſſed at *c d*. Some of theſe CATERPILLERS had each a large flat white *Maggot* coming from them, which made themſelves hard black *Caſes* lined with four diſtinct *Membranes*, one within another; from which came an *Ichneumon* the 11th of *May*, whoſe *Body* and *Legs* were of a dark red Colour; from others came three or four *Maggots*, which changed into ſmall red *Chryſalides* at *e*, each of which produced a *Fly* about the middle of *April*, expreſſed at *f*.

The CATERPILLER *b* was Green ſtriped with White. It was taken in a *Garden* near *Hackney* the 14th of *June*, feeding on the *Lark-ſpur*; it went into the *Earth* the 17th of the ſame Month; and changed into a *Chryſalis*; and the 23d of *July* came a *Moth* of a dark earthy Colour, with two black Spots in each *upper Wing*; the *under Wings* of a pale Ruſſet, as was alſo the whole *under Side* of the *Moth*.

DESCRIPTION *of the Twenty-eight* PLATE.

THE CATERPILLER *a* in this Table is of an Olive Colour, with a white Spot circled with black, on each *Joint*. It was taken feeding on the *Vine* the 12th of *September*, and the 20th of the ſame *Month* it went into the Ground and changed into a *Chryſalis*; and the 24th of *May* came a dark marbled *Moth*, with two Spots of White on the *upper Side* of each *outer Wing*, the *under Wings* and *under Side* of the *Moth* were of a ſhining Hair Colour. One of theſe CATERPILLERS produced an *Ichneumon* of the ſame Kind, expreſſed as in Table 27.

The CATERPILLER *b* is of a dark Colour on the *Back* ſtriped with Black, the *Belly* light Green, parted from the dark Colour by a Streak of White, the *Head* of a deep Yellow. It was taken the 21ſt of *July* feeding on the *Marygold*; they alſo feed on the *Horſe-radiſh*, *Africans*, and *Cabbage*, of which laſt they make great Deſtruction. They went into the Ground the 9th of *Auguſt*, and the *Moth* came forth in the Beginning of *May*, which was the ſame with the laſt deſcribed, tho' the CATERPILLERS differ in Colour. I am told that by ſprinkling your *Cabbage Plants* with a *Lye* made of *Aſhes* and a Quantity of *Lime*, *Salt* or *Soap-boiler's Lees*, you may deſtroy them and not hurt your *Plants*.

a

42

e

d

b

g

f

c

43

To the Right Honorable

Henrietta Stanley Countess Dow^r. of Anglesea

this plate is humbly Dedicated by Eleazar Albin

E Albin del.

H. Terrason, Sculp. London.



VIEW







To the Right Honorable
John Lord Ashburnham
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

T. Fenton, Sculp. London.

DESCRIPTION *of the Twenty-ninth* PLATE.

THE CATERPILLERS *aa* in this Table, that on the *Leaf* is of a dark blueiſh Green, ſtriped on the *Sides* with White and Roſe Colour, and a black Spot on each *Joint*; the other on *Stalk* is of a pale yellow Green, ſpotted on the *Sides* with Roſe Colour and Black; the firſt of them goes into the *Earth*, and changes into a *Chryſalis*. They were taken in the Beginning of *Auguſt* on the *Orrach*; their Change was on the 18th of the ſame Month, and the *Moth* came the 27th of *June* following, being of a light Brown or Ruſſet Colour, as *c d* repreſent in the Table; thoſe that are yellowiſh, for the moſt part are diſeaſed, and die without changing into *Chryſalides*.

The CATERPILLER *e* is of a pale Green, with ſmall black Circles on its *Sides*; its *Head* and *Feet* of a light brown Colour: I had eight of them, not one of them differing from the other in Spots, Shape, or Colour. They were all taken at the ſame time feeding on the *Spear-mint* the 18th of *September*, and on the 27th of the ſame Month they went into the Ground, and changed into *Chryſalides*; and the 23d of *May* came the ſame Kind of *Moth*, as in the Table 28; one of them produced an *Ichneumon* repreſented at *k*, the *Chryſalis* of the *Ichneumon* at *i*. I have alſo found theſe CATERPILLERS very large feeding on the *Knot-graſs* about the 23d of *July*.

DESCRIPTION *of the Thirtieth* PLATE.

THE CATERPILLERS *a a* in this Table, the *uppermoſt* is of a deep Green, its *Head* bleuiſh, the *other* of a yellowiſh Green, the *Head* of it lighter coloured; they had both a mark of Black on their *Backs*, on each *Joint*, like *Arrow-heads* pointing toward the Tail. They were taken on the *Bramble* the 26th of *June* near *Newington-Green*; they went into the *Ground* the 10th of *July* ſpinning the *Earth* about them with their Web, and changed into *Chryſalides*; and on the 6th of *Auguſt* came forth a beautiful ſcallop'd winged *Moth*, elegantly marked, as is repreſented in the Table. See *Goddart*, *Part* I. *Tab.* 56.

The CATERPILLER *c* is of a browniſh Olive Colour; with the ſame Marks on his Back as the other. It was taken feeding on *Worm-wood* about the Beginning of *Auguſt*, and changed into a *Chryſalis* on the 5th of the ſame *Month*; and on the 4th of *September* came forth the *Moth d e*. The three CATERPILLERS repreſented in this *Table*, though ſo different in Colour, are without doubt of the ſame Species, as appears by the *Moths* they produced. I had one of theſe *Moths*, which did not come forth till the 26th of *November*. See *Liſter on Goddart*, *page* 54. *N°* 44.

a

a

46

e

d

b

c

47

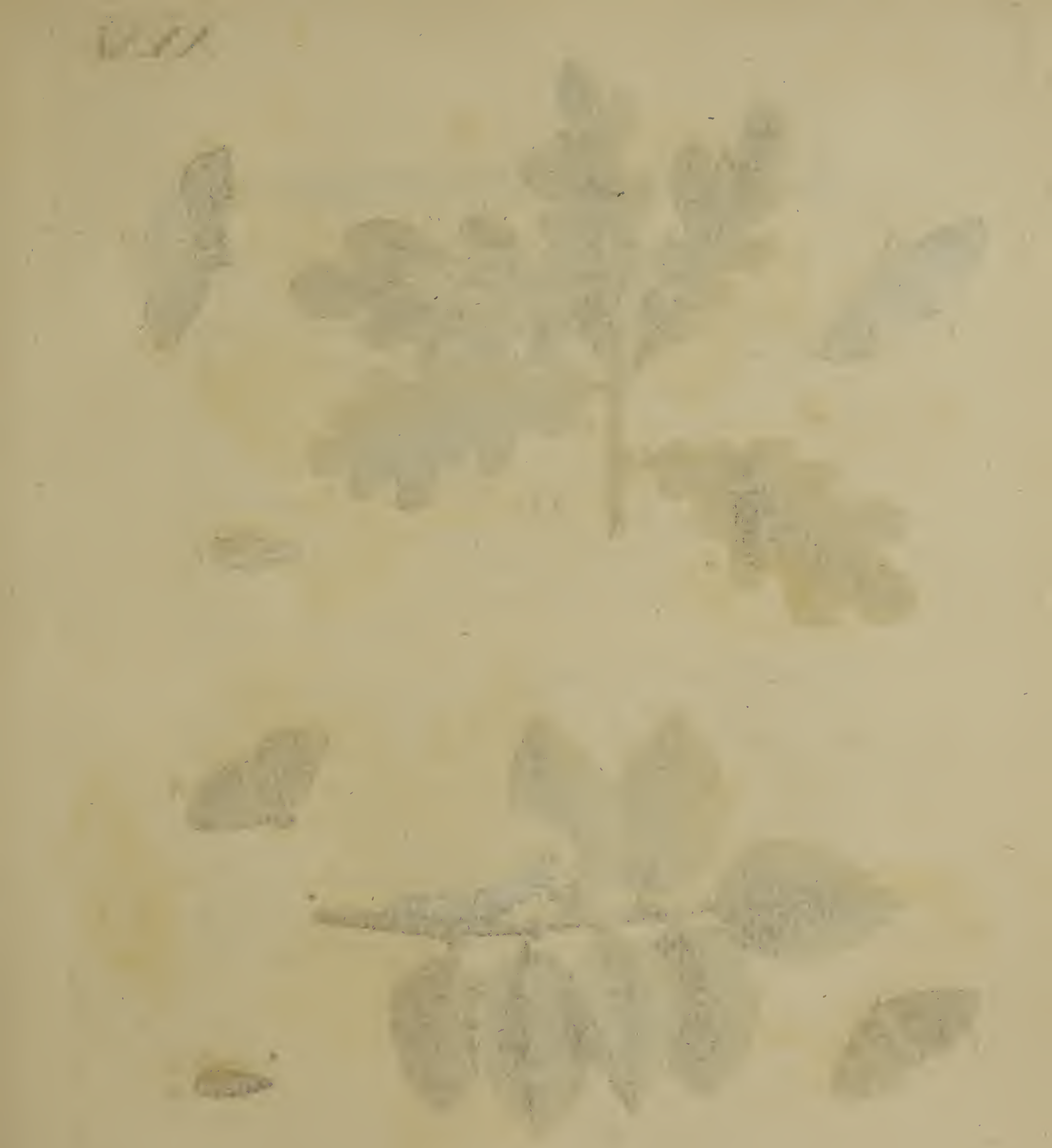
To the Right Honorable

Elizabeth Bruce Countess of Cardigan

this plate is humbly Dedicated by Eleazar Albin.

E Albin del.

R. Teroulson, Sculp. London.







To Kenrick Grantham of Stifford in ye Coun.ty of Essex Esq.r
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H. Terasson, Sculp.

DESCRIPTION *of the Thirty-firſt* PLATE.

THE CATERPILLER *a* is of a pale yellowiſh Green, full of ſmall Specks, with two Spots or Points on his *Tail*. It was found feeding on the *Oak* in *Biſhop's-wood* on the 20th of *September*; and on the 25th of the ſame Month it worked itſelf up a dark brown *Caſe* on the back-ſide of an *Oak* Leaf, and changed into a *Chryſalis*; and the 30th of *April* came the *Moth*, the *Back* and *upper Wings* of a light Green, ſtriped as it were with Silver, and edged at the Bottom of the *Wings* with Crimſon; the *Body* and *under Wings* whitiſh ſhaded with yellowiſh Green.

The CATERPILLER *f* is of a light blueiſh Green, ſtriped with White; with ſmall black Spots on the lower *Stripe*; the *Head* Red. It was found the 31ſt of *May* feeding on the *Elm*; it hides itſelf by drawing the Leaves together with a Web, and feeds commonly in the Night; it went into the *Ground* the 3d of *June*, and changed into a *Chryſalis k*; and the 4th of *July* came the *Moth* of a light brown Colour with darker Shades, the *under Wings* very dark, edged with Yellow, as *b* and *i* repreſent in the *Table*.

DESCRIPTION *of the Thirty-second* PLATE.

THE CATERPILLER *a* in this Table was of a transparent Green, with a Line of White on each Side the *Back*. It was taken on the *Sallow* near *Hampſtead* on the 24th of *June*, on which it fed till the 30th of the ſame *Month*; at which time it ſpun itſelf up in a *Leaf*, and changed into a *Chryſalis*; from which, on the 25th of *July*, came a moſt beautiful *Scallop-winged Moth*, *b* and *c* in the Table repreſenting the *upper* and *under Side* of it. See *Liſter* on *Goddart*, *page* 38. *N°* 30.

The CATERPILLER *d* was of a yellow Colour ſtriped with Black, the *Head* and *Holders* Red. It was found on the *Female Fearn*, in a *Wood* by *Charlton* in *Kent*, on the 30th of *Auguſt*; for want of *Fearn* I fed it on *Orrach*, and it grew much bigger than the CATERPILLER in the *Table*, the black Stripe on its *Back* changing to a reddiſh Hair Colour; the 24th of *September* it went into the *Earth*, in order to its Change into a *Chryſalis*, and remained till the *Spring* following, then came forth the *Moth* expreſs'd at *e f*.





To Robert Bristow of Mitcheldaver in ye County of Hants Esq.
one of the Clerks Comptroller of his Majestys Green Cloth
this plate is humbly Dedicated by Eleazar Albin.

E. albin del. *H. Terrason, Sculp. Londor*











To George Dashwood of Heningham Hall in ye Coun: by of Suffolk Esq.
this Plate is humbly Dedicated by Eleazar Albin

E. Albin del.

H. Terasson, Sculp. London

DESCRIPTION *of the Thirty-Third* PLATE.

THE CATERPILLER *a* in this Table was of an Olive Colour on the Back, the Belly of a pale Fleſh, and the Head red. It was taken on the *Sallow* the 17th of *May*. It fed till the firſt of *June*, and then went into the Ground, and changed into *Chryſalis b*, and the 12th of *Auguſt* came a *Moth*, the upper Wings *c*, of a fine Yellow, clouded and marked with ſeveral indented Lines of a dark Colour; the under Side and under Wings *d* of a pale Cream Colour.

The CATERPILLER *e* was of a dark Straw Colour. It was found on a great Water-graſs, in the Marſhes near *Rotherhith* the 10th of *May*; it went into the Ground the 12th of the ſame Month, and changed into a *Chryſalis*, expreſſed at *f*, which produced a *Moth* the 13th of *June* following; it was of the ſame Colour of the CATERPILLER as at *g h* in the Table.

DESCRIPTION *of the Thirty-fourth* PLATE.

THE CATERPILLER *a* in this Table was Black intermixed with Spots of Brown divided with Rings of Yellow on the *Back*; the *Belly* was like black Velvet. I found it on the *White Thorn* about the middle of *May*; it is likewiſe on *Black Thorn*, *Hazel*, and the *Oak*, on all which they feed very freely: On the 28th of *May* it ſpun up itſelf on the *Back-Side* of a *Leaf* in a *brown hard Caſe*, and changed into a *Chryſalis*, and the *Moth* came the 20th of *Auguſt*; it was of a light Hair Colour with three indented Lines a-croſs the *upper Wings*, of a darker Shade; it is expreſs'd at *c d* in the Table.

The CATERPILLER *e* was of a deep Orange Colour with Rings of Black: it was found on the *Ragwort* about the 20th of *June*, on which I fed it; the 27th of the ſame *Month* it went into the *Earth* in the *Box* and changed into *Chryſalis*, and the 17th of *May* following came a *beautiful black* and *red Moth g h*. Some of theſe CATERPILLERS produced ſmall *Maggots*, which ſpun themſelves up in *Caſes* of *white Silk*, and produced the *Ichneumon* expreſſed at *k*. See *Liſter on Goddart*, *page* 61. *N*° 54.


d


a

54


c


b


k


e


h


g


i

55


f

To the Lady Ickyl

this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

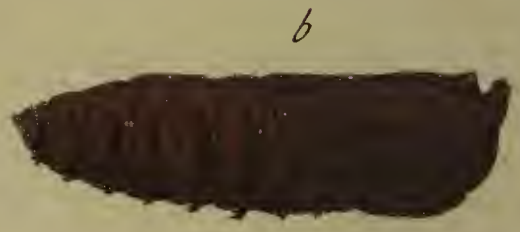
H. Terasby Sculp. London













To the Right Honorable
George Earl of Cardigan
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del. *H. Fenwick, Sculp. London.*

DESCRIPTION *of the Thirty-fifth* PLATE.

THE CATERPILLER in this Table was of a reddiſh brown Colour on the *Back*; the *Belly* of a Fleſh Colour, his *Feet* and *Nippers* black and very hard and ſharp, by which he penetrates into the very Heart of the *Willow*; I found him in *November*. Theſe CATERPILLERS are ſometimes found in the *Poplar*, *Aſh* or *Elm*; and Dr. *Liſter* ſays *he found it in the Oak*. It has been obſerved by ſome of the Curious, that this miſchievous *Inſect* is three Years in its Progreſs from the *Egg* to the *Moth*. I was obliged to keep it in a Tin Box with ſome of the *Willow wood*, for he eat his way through a Box of Wood I had put him in before; he changed into a *Chryſalis* about the Beginning of *May*, and about the middle of *June* came the *Moth c d*, of a dark Hair Colour, ſtreaked with White; the *Moth* is to be found on the Bodies of the aforeſaid Trees, toward the latter end of *June*. Theſe CATERPILLERS uſually lay themſelves up in the Holes which they make in Trees, in pretty thick *Webs*; when the *Moth* is ready to come forth, the *Chryſalis* forces its fore part about half an Inch out of the Tree, otherwiſe the *Wings* would be lamed, by bruſhing off the Humidity that is provided for their Growth; to prevent this Inconvenience, Nature has in an extraordinary Manner provided this *Chryſalis* with ſtrong *Spinulæ* round each *Joint*, pointing towards the *Tail*, by which it is enabled to force its fore-part through the *Web*. See *Liſter on Goddart*, *page* 49. *N°* 39.

DESCRIPTION *of the Thirty-ſixth* PLATE.

THE CATERPILLER *a* was of a yellowiſh Green, with a red Head. It was taken folded up in the Leaves of the *Nut Tree* on the 2d of *September* in a Wood near *Woolwich* in *Kent*. It ſpun itſelf up the 8th of the ſame Month, and the 8th of *January* following came the *Moth* of a Straw Colour mottled with Brown. All the *Females* of this Kind, that I have kept, had their Wings contracted or ſhrivelled up, as is expreſſed in the Table. I believe it is natural for them to have their Wings after that manner; for in ſome Kinds, as particularly in Table 89, 90, the Females have only the Appearance of Wings, and never go from the Place where they lay in *Chryſalides*, but lay their Eggs on their very Web.

The CATERPILLER *f* was of a full green Colour, the Head dark Red. It was taken rolled up in the Leaves of the *Plumb Tree* on the 24th of *May*; and on the 30th of the ſame Month it ſpun itſelf up, and changed into *Chryſalis g*. The *Moth* came the 21ſt of *June* following, the Wings of a reddiſh Brown; the *Male k l* ſomewhat darker than the *Female h i*, as is expreſſed in the Table. Theſe CATERPILLERS are very nimble in their Motion both forwards and backwards, as I have obſerved moſt of them are that fold themſelves up in the Leaves; if you force them out of their Leaf, they let themſelves fall by a Thread to the next Leaf or Branch, by which, when all is quiet, they climb up to their former Habitation.

c

d

a

57

b

e

h

k

f

58

i

l

g

To the Right Honorable
Worsley Lady Cartenet Barones
this plate is humbly Dedicated by Eleazar Albin.

E Albin del.

H. Terasson, Sculp. London.





To the Reverend D.r Bisse Chancellour of y.e Church of Hereford
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

DESCRIPTION *of the Thirty-ſeventh* PLATE.

THE CATERPILLER *a* in this *Table* was of a pale Green. It was taken in the Leaves of the *Elder*, which it had rolled up like a Wafer to ſecure itſelf from Danger, wherein it lies moſt part of the Day, feeding commonly in the Night: It ſpun itſelf up the 7th of *Auguſt* in a Web to the Side of the Box in which I fed it, and remain'd in its CATERPILLER State till the Beginning of *April*, and then changed into a *Chryſalis b*, and the 15th of *June* came the *Moth c d* of a pale Brown Colour. I had ſome of theſe CATERPILLERS which were fly-blown by *Ichneumons*, and others by a ſmall Sort of the *common Flies*. The *Maggots* of each, ſoon after they came out of the CATERPILLERS, changed into *Chryſalides* at *e g*, in which State they lay till the Spring following, and then produced the *Flies f h*. See *Liſter on Goddart*, *page* 62. *N°* 55.

The CATERPILLER *i* is of a pale yellow Green; it was found wrapt up in the Leaves of the *Nettle* at the latter end of *May*, after the ſame manner as the *Elder* CATERPILLER above-mentioned; it changed the 2d of *June* into a *black Chryſalis*, and in fourteen Days came a *Moth* at *l m*, White, neatly ſpotted with Black; which we commonly call the *Magpie*. See *Liſter on Goddart*, *page* 66. *N°* 61.

DESCRIPTION *of the Thirty-eighth* PLATE.

THE CATERPILLER *a* in this *Table* was of a light Green Colour, with ſmall Specks of Black. Mr. *Dandridge* found it feeding on the *Flowers* of *Cow-Parſnep* the 30th of *June*, and fed it on the ſame in a *Box*, in which it ſpun it ſelf up and changed into *Chryſyalis b* the 16th of *July*. He went ſome time after to look for more of theſe CATERPILLERS, but could not find any, tho' he examin'd ſeveral of the Plants to the very Roots: upon obſerving Holes in ſome of the Stalks he cut them, and found many of the *Chryſalides* ſpun up in the hollow part of the Stalks pretty near one another, as is expreſs'd at the Letter *b* in the Table. The *Moth c d* came the 12th of *Auguſt*, the upper Wings of a dark Olive, the under Wings and under Side of the *Moth* of a light Hair Colour.



To the Honorable
Elizabeth Stanvell now Mrs. Bromley
this plate is humbly Dedicated by Eleazar Albin

H. Fogarton, Sculp. London, 1715.





To the Right Honorable

Mary Bentinck Countess Dow.r of Essex

This plate is humbly Dedicated by Eleazar Albin.

Eleazar Albin del. ... Londo.

DESCRIPTION *of the Thirty-ninth* PLATE.

THE CATERPILLERS *a a* in this Table were different in Colour: the one, Yellow with Stripes of a deeper Shade and Spots of Red on each Joint: the other dark Red, ſpotted on the middle Joints with Yellow; their Heads Red with a Ring of Yellow round their Necks. I took them at the Beginning of *June* on the Heart-cherry Tree: they were very numerous on the Pear, Apple, Plumb, and Lime Trees, eating ſeveral of them bare. They went into the Ground about the middle of the ſame Month, ſpinning themſelves a Web, and changed into a *Chryſalis b*; and the Beginning of *April* came the *Moth c d*, of a duſky Yellow ſtriped and motled with Black. The *Moth* lays her Eggs in the Cracks and hollow Places of the Trees. Theſe CATERPILLERS are call'd *Loopers*, becauſe in their walking they draw their Bodies into the Form of a Loop by bringing their Ends together. Theſe and moſt others of this Kind have a Web coming from their Mouths to the Branch, by which they convey themſelves from one Bough to another at their Pleaſure. The way of deſtroying theſe is by killing the *Moths* when firſt hatched, which are to be found on the Bodies of the aforeſaid Trees. See *Merian, Vol.* i. *page* 75. *Chap.* 37.

The CATERPILLER *e* was of the ſame Colour with the older Branches of the Tree ſo as ſcarcely to be diſcerned from the Wood. It was found the 12th of *May* on the Black-thorn: I fed it 'till the 24th of the ſame Month, at which time it went into the Ground, and changed into *Chryſalis f*, and the 11th of *Auguſt* following came the *Moth g h*, of a pale Buff, having a broad Cloud of a darker Colour a-croſs the middle of the upper Wings, and Spots of the ſame round the Edges both of the upper and under Wings.

DESCRIPTION *of the Fortieth* PLATE.

THE CATERPILLER *a* in this Table was of an Olive Green Colour, with red and yellow Spots on each *Joint*, the *Head* pale red; it had four Risings or Bunches tipt with Yellow on the *Back* near the hinder part. It was was found feeding on the *Elm* in the Beginning of *September*. I fed it till the 26th of the same Month; it then went into the Earth in the Box, and changed into a *Chrysalis b*, of a dark Red Colour, and the 27th of *May* following came forth the *Moth* expressed at *c d*, being White mottled with Black.

The CATERPILLER *e* was finely marked with divers Colours, having Risings or Bunches on the middle of its Back. It was found on the White-thorn in *September*, and the 17th of the same Month it spun itself up in the Leaves, and changed into a *Chrysalis*, and remained in that State till the Beginning of *April*, at which time came forth a yellow *Moth* marked as at *g h* in the *Table*.

















TO THE RIGHT HONORABLE

Elizabeth Butler Countess Dow.r of Derby

this plate is humbly Dedicacted by Eleazar Albin,

E. Albin del.

H. Terasson, Sculp. London.



b

a

c

66

d

e

9

h

67

f

To the Right Honorable
The Lady Arthur Somersett
this plate is humbly Dedicated by Eleazar Albin

E. Albin del.

H. Fenwick, Sculp. London

DESCRIPTION *of the Forty-firſt* PLATE.

THE CATERPILLER *a* in this *Table* was found on the *Oak* on the 19th of *June* near *Highgate*, it was about the Bigneſs of the ſmaller Figure in the Table, and of a brown Colour; after ſome time it changed its Skin, and grew to the Bigneſs of the largeſt expreſſed at *a*: It was of a pale browniſh Aſh Colour, with four Riſings or Bunches on the Back, the hindmoſt of which was tipt with Red, as were alſo the Holders next the Tail; it went into the Earth the 10th of *July*, and changed into a *Chryſalis* of a dark red Colour; where it remained till the latter end of *May*, at which time came a *Moth* very like that in the foregoing Table. Q. Whether they may not be *Male* and *Female?*

The CATERPILLER *e* in this Table was of a pale Olive Colour, it was taken on the *Black-thorn*, at the Beginning of *May*, and the 16th of the ſame Month it went into the Earth, and with the ſame worked itſelf a Caſe, and changed into a *Chryſalis*, and on the 22d of *June* following came a *Moth* of a pale Buff Colour, having a broad Cloud of a darker Colour croſs the middle of the upper Wings, and Spots of the ſame round the Edges of the upper and under Wings.

DESCRIPTION *of the Forty-ſecond* PLATE.

THE CATERPILLER *a* in this Table was of a pale Cream Colour, ſhadowed on its Back with Brown and ſpotted with Red. It was found on the *Wild-Roſe* between *Iſlington* and *Highgate*; the Head was much ſmaller than uſual; it ſpun itſelf up between a Leaf and the Side of the Box on the 22d of *June*, and changed into a *Chryſalis*, *b*; and the 10th of *July* came a *Moth* at *c*, *d*, of a fleſh Colour ſtreaked with Brown.

The CATERPILLER *e* was of a muddy Green Colour, motled with darker Colours like the Bark of a Tree; the hindermoſt Feet of this CATERPILLER are remarkably longer than in moſt others that I have obſerved, which it draws in or thruſts out as it has occaſion. It was found on the *White-thorn* the 10th of *September*, and on the 24th of the ſame *Month* it ſpun itſelf up in the Leaves, and changed into *Chryſalis f*; and the 15th of *May* came a beautiful clouded ſcallop-winged *Moth* at *g h*, in the Table.











To the Honorable
Edward Southwell Esqȝ.
this plate is humbly Dedicated by Eleazar Albin.

E Albin del. *H. Terasson Sculp. London.*

a

70

b

c

f

d

71

g

e

To Mrs Bovey of Flaxley
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H. Fenwick Sculpt. London.

DESCRIPTION *of the Forty-third* PLATE.

THE CATERPILLER *a* in this Table was Brown with five large light-coloured Spots on its Sides; the Head Red, and near its Tail it had two Risings ending in Points of the same Colour. It was taken on the *White-thorn* the 8th of *May* near *Lewisham* in *Kent*. I fed it till the 23d of the same Month; it then went into the Earth in the Box, and changed into *Chrysalis*; and the 26th of *September* came a *Moth b, c*, of a pale red and yellow Colour.

The CATERPILLER *d* in this Table was of a pale Cream Colour spotted with Black and Red. It is commonly found on the *Gooseberry* and *Currant Trees* at the Beginning of *May*; and the 22d of the same *Month* it spun up itself, and changed into a red *Chrysalis* with Rings of Yellow: and the 12th of *June* came forth a black and white *Moth* intermixed with Yellow; the Eggs of this *Moth*, soon after they are laid, hatch, and the young CATERPILLERS live all Winter in Places of Shelter, and in the Spring begin to feed as soon as the Buds open. The way to preserve the Trees from those CATERPILLERS is, by cleansing and shaking them when the Snow is upon the Ground. See *Lister on Goddart*, *page* 13. *N°* 9. *Merian*, *Vol.* i. *Chap.* 29.

DESCRIPTION *of the Forty-fourth* PLATE.

THE CATERPILLER *a* in this Table was of a dark Colour ſpotted with White, with a red Head, (I had ſome of this Sort almoſt all White, others light Aſh Colour, others almoſt Black.) It was taken on the *White-thorn* the 24th of *May* near *Hornſey Wood.* I fed it till the 12th of *June*, at which time it went into the Ground, and changed into a *Chryſalis b*: and at the Beginning of *April* came the *Moth c d*, of a pale yellowiſh Colour, ſhadowed and ſpotted with deeper Shades of the ſame.

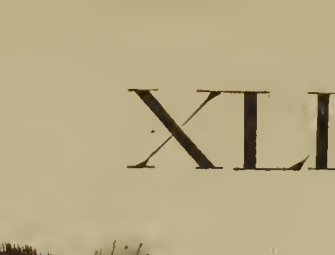
The CATERPILLER *e* was Fleſh colour'd, the Head dark Brown, with ſeveral Streaks and Spots of the ſame on the Back and Sides. It was taken on the *Sallow* the 15th of *May.* I fed it till the 13th of *June*; it then went into the Ground, and changed into a *Chryſalis* at *f*. The *Moth g h*, came the 9th of *July*; the upper Wings of a dark Yellow, the under Wings and under Side of a light Hair Colour.

















TO THE RIGHT NOBLE

The Marquess of Tullibardine

this plate is humbly Dedicated by Eleazar Albin.

E. Albin del. *H. Terrakson. Sculp. London*















To Mrs Mary Goupy
this plate is humbly Dedicated by Eleazar Albin.

E Albin del.

DESCRIPTION *of the Forty-fifth* PLATE.

THE CATERPILLER *a* in this Table, was of a Sea-green. It was taken on the *White-thorn* the 12th of *May* near *Peckham*, and the 14th of the ſame *Month* it went into the Ground, and changed into a *Chryſalis*; and the *Moth* came forth the 25th of *September*; the upper Wings *b*, were of a light Brown, with dark Stripes a-croſs them, the under Wings *c* of a pale Yellow.

The CATERPILLER *d* was of a Yellowiſh Green. It was found feeding on the *White-thorn* near *Eltham* in *Kent* on the 30th of *May*, and the 10th of *June* it ſpun up between the Leaves, and changed into a *Chryſalis*, and the *Moth f g*, came forth the 26th of the ſame Month.

DESCRIPTION *of the Forty-ſixth* PLATE.

THE CATERPILLER *a* in this Table was of a dark Green Colour, having a Bunch or Riſing on the middle of its Back, and three ſmall Bunches on each Side near the firſt Holders. It was taken feeding on the *Maple* near *Highgate*, about the middle of *September*; and the 24th of the ſame Month it ſpun itſelf up to the Side of the Box, and changed into a *Chryſalis*, remaining in that State till the 12th of *February*, at which time came forth a beautiful Yellow *Moth*, *b c*.

The CATERPILLER *b* was almoſt of the ſame Colour with the Twigs of the *Black-thorn*, on which it was taken the 21ſt of *May*; and on the 28th of the ſame *Month* it ſpun itſelf up in a white Web in the Leaves, and changed into a *Chryſalis c*; the 21ſt of *June* it produced the ſame *Moth* as above.



To M.rs Howland

this plate is humbly Dedicated by Eleazar Albin

Albin del.





TOTHE RIGHT HONORABLE

Elizabeth Seymour Countess of Thomond

this plate is hmbly Dedicated by Eleazar Albin .

E.Albin del. *H. Terrason, Sculp. London,* [illegible]

DESCRIPTION *of the Forty-ſeventh* PLATE.

THE CATERPILLERS *a a* in this Table were of different Colours, ſome Green and Yellow, others Purple and Yellow. They were found on the *Currant Trees* at the Beginning of *April*. I fed them till the 22d Day of *May*; at which time they went into the Ground and changed into *Chryſalides*, and on the 17th of *June* came forth a *Moth* of a Ruſſet Colour, ſtreaked and ſpotted with Black in the upper Wings; one of the CATERPILLERS produced the *Ichneumon e*. Theſe CATERPILLERS are hatched at the latter End of the Year and live all Winter. See *Liſter on Goddart*, *page* 19. *N°* 12. *Merian*, *Vol.* i. *Chap.* 25.

The CATERPILLER *f* was very elegantly marked with divers Colours. It is often found on the *Garden* and *Wild Orach* at the latter End of *Auguſt*. I fed it till the 16th Day of *September*, at which time it went into the Earth in the Box, and changed into a *Chryſalis*, and on the 11th of *July* following came the *Moth* of the Colour of a withered Leaf.

DESCRIPTION *of the Forty-eighth* PLATE.

THE CATERPILLER *a* in this Table was of a yellow Green Colour, the Head red, with Spots of the ſame on the Back. It was taken on the *Hazel* about the middle of *Auguſt*, on which it fed till the 2d of *September*, and then ſpun itſelf up and changed into a *Chryſalis*, in which it remained till the 20th of *February*; then came forth a ſmall Green *Moth*, *b c*.

The CATERPILLER *d* was Greeniſh with dark Clouds. It was found feeding on the *White-thorn*, about the latter end of *April*, near *Hornſey Wood*: on the 10th of *May* it ſpun itſelf up by gathering or drawing the Leaves together with a thin Web, in which it changed into a *Chryſalis e*; the *Moth g f*, came the 1ſt of *June* following, being of a blueiſh Green Colour, with two Streaks of whitiſh Green a-croſs the upper Side of the Wings.

b

a

c

80

9

d

f

e

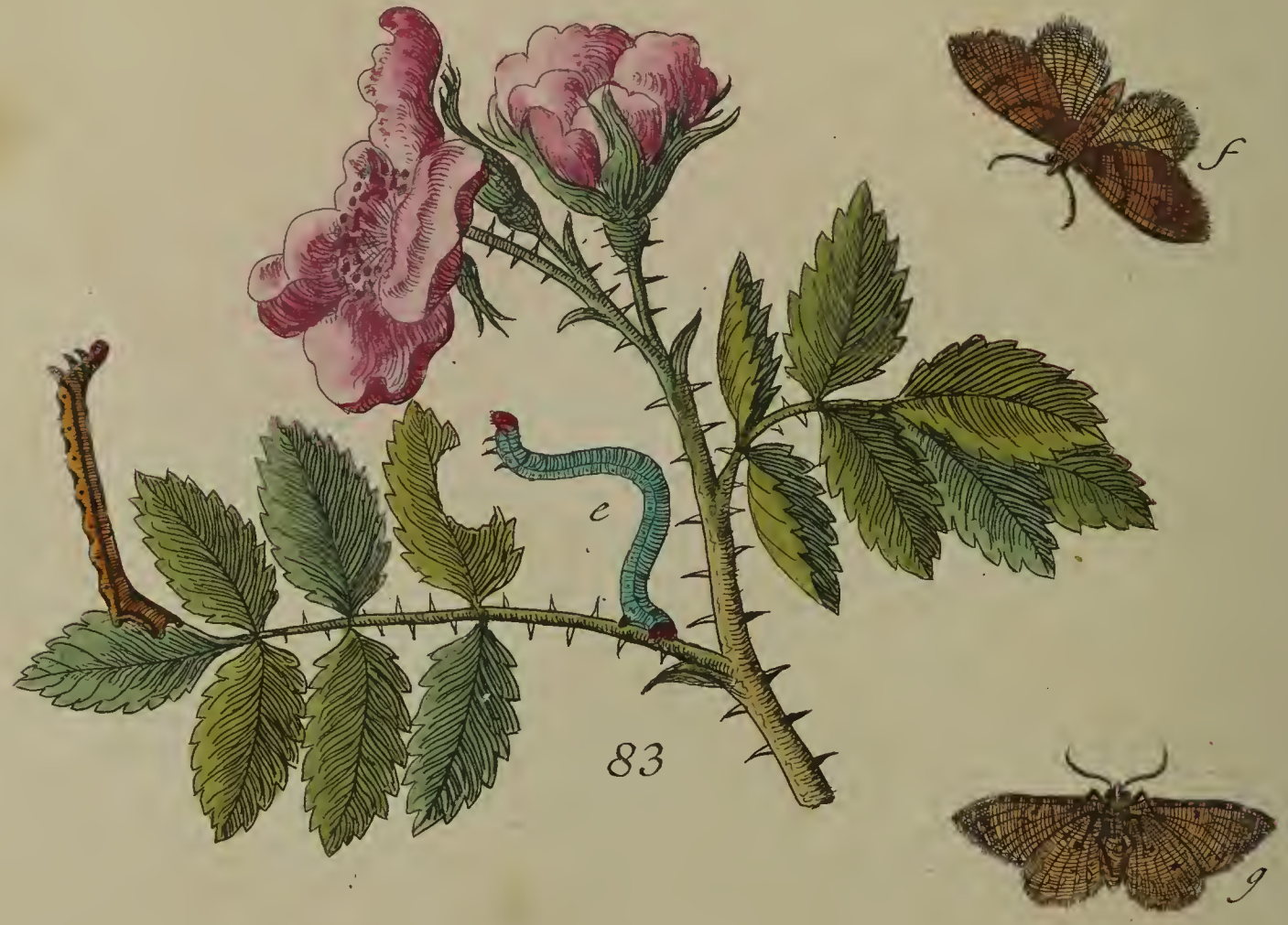
81

To M.rs Elizabeth Herbert
this plate is humbly Dedicated by Eleazar Albin

E. Albin del.

H. Terrasson, Sculp. London.





To the Right Honorable
The Lord Arthur Somersett
this plate is humbly Dedicated by Eleazar Albin

E. Albin del. & scul. 1713.

DESCRIPTION *of the Forty-ninth* PLATE.

THE CATERPILLERS *a a* in this Table are of divers Colours, ſome pale Brown, ſome Fleſh Colour, others Green. They were taken on the *Oak* on the 23d of *Auguſt* near *Muzzle-hill*, and on the 28th of the ſame *Month* they tied themſelves up after the manner of the *white Butterfly*, Table 1ſt, to the Sides of the Box with their Heads upward, and changed into *Chryſalides b*, of a deep Green, with a Red Spot at the end of the Tails; the *Moth c d*, came the 29th of *September*; it was of a Fleſh Colour.

The CATERPILLERS *e* were differing in Colour, ſome Brown, others Green, all of them having Red Heads. They were found on the *Wild Roſe* on the 29th of *May* near *Hornſey*; and the 14th of *June* they went into the Earth in the Box, and changed into *Chryſalides*; and the 21ſt of *February* came the *Moth*, of a dark Brown Colour.

DESCRIPTION *of the Fiftieth* PLATE.

THE CATERPILLER *a* in this Table was of a Sea-Green, the Head and Tail Red. It was taken the 28th of *June* feeding on the *Oak*, and the 3d of *July* it tied itſelf up after the manner of the *white Butterfly*, Table the 1ſt, and changed into a *Chryſalis*, the Head of which ſeemed as if cut off, as is expreſſed at *b* in the Table: the 21ſt of *July* came forth a *Moth* of a pale Fleſh Colour, with ſmall Spots and Circles in the Wings.

The CATERPILLER *e* was of a yellowiſh Green, the Head of a deep Green, with Spots of Red on each Joint near the Back, and two Points of the ſame Colour ſtanding upright near the Tail. It was taken the 14th of *July* on the *Bramble* or *Blackberry-buſh* near *Chiſſelhurſt* in *Kent*, and the 28th of the ſame *Month* it made itſelf a Houſe by drawing or ſpinning the Leaves together with a thin Web, in which it changed into a *Chryſalis f*, and the 29th of *Auguſt* came a *Month g h*, the upper Wings Green, the under Wings and under Side of a Hair Colour.





To the Honorable

Mrs Ann Somersett

this plate is humbly Dedicated by Eleazar Albin.

E. albin del.

H. Terasson, Sculp. Londo.



To William Byrd of Westover in Virginia Esq.r
this Plate is humbly Dedicated by Eleaz.r Albin.

DESCRIPTION *of the Fifty-firſt* PLATE.

THE CATERPILLER *a* in this Table was Green. It was found feeding on the *Radiſh* about the middle of *June*; they alſo feed on *Cabbage*, *Horſe-radiſh*, *Creſſes*, and *Scurvy-graſs*; at the latter end of the ſame *Month* it tied itſelf up by the Tail, and croſs the Middle; and the 13th of *July* came the *Butterfly*. The Male *c d*, and Female *e f*, are very like the *Butterflies* in the firſt Plate in Marks and Colour, but conſiderably leſs. There is alſo another *white Butterfly* frequent in Woods, a great deal leſs than this. The CATERPILLER which it produces, I could never yet find. See *Liſter on Goddart*, *page* 12. *N*º 8.

DESCRIPTION *of the Fifty-ſecond* PLATE.

THE ſtrange-ſhaped CATERPILLER *a* in this Table was Yellow. It was found on the *Oak* in *Cain Wood* near *Highgate*, the 11th of *June*; and changed into a *Chryſalis* the 17th of the ſame *Month*. On the 14th of *July* came the *Butterfly*, the upper Side *b*, of a dark brown and blueiſh Purple, the under Side *c*, of a light Hair Colour: It is commonly called the Purple Hair-ſtreak.

The CATERPILLER *d* was Green with a Stripe of Yellow on each Side. It was found on the *Cabbage* about the latter End of *June*, and the Beginning of *July* it tied itſelf up, and changed into *Chryſalis e*; the 20th of the ſame *Month* came forth the Green-veined *Butterfly e f*. See *Merian*, *Vol.* ii. *Chap.* 39.













To John Cook, Esq.r

This Plate is humbly dedicated by Eleaz.r Albin













To S.r Hans Sloane Bar.t M.D. & F.R.S.

this Plate is humbly Dedicated by Eleazar Albin.

H. Terasson, Sculp. &c.

DESCRIPTION *of the Fifty-third* PLATE.

THE CATERPILLER *a* in this Table was Green, and covered all over with ſhort Hair. It was found feeding on Graſs the 8th of *May*, and the 24th of the ſame Month it faſtened itſelf up by the Tail, and changed into a ſhort thick green *Chryſalis* ſtreaked with Black; and the 11th of *June* came the Meadow Brown *Butterfly*; *b c* the Male, and *d e* the Female; having each an Eye in their upper Wing.

DESCRIPTION *of the Fifty-fourth* PLATE.

THE Belly and half the Back of the CATERPILLER *a* in this Table were Brown ſpotted with Red, the other part White, with Briſtles of the reſpective Colours on each. It was found feeding on *Hops* the 26th of *July*; the 7th of *Auguſt* it changed into *Chryſalis b*, and the 23d of the ſame *Month* came a ſcallopt-winged *Butterfly d e*, of a Brown Orange Colour, having in the Middle of the under Side of each under Wing a white Mark like a *Comma*, from which it is uſually ſo called. See *Merian, Vol.* i. *Chap.* 14.



TO THE Rt HONORABLE

Thomas Lord Foley

This Plate is humbly dedicated by Eleaz.r Allin.



To John Philip Brayne of Dantzick M.D. & F.R.S.

This Plate is humbly dedicated by Eleaz.r Albin.

DESCRIPTION *of the Fifty-fifth* PLATE.

THE CATERPILLER *a* in this Table was blueiſh ſpotted and briſtled with Yellow, the Head and Feet Black. It was taken on the *Elm* the 10th of *June*. The CATERPILLERS when young keep together, and when full fed they ordinarily tie themſelves up by the Tail under the Coppings of Walls or ſome ſuch Shelter, and change into *Chryſalis b*, which is about the middle of *June*; and in the Beginning of *July* produce a *Butterfly c d*, commonly called the *Great Tortoiſe-ſhell*. From ſeveral of theſe *Chryſalides* came Broods of ſmall *Ichneumon Flies* expreſſed near the *Chryſalides*. See *Liſter on Godart, page* 3. No. 3. See *Merian, Vol.* ii. *Tab.* 2.

DESCRIPTION *of the Fifty-ſixth* PLATE.

THE CATERPILLER *a* of this Table is moſt commonly Black, and ſometimes Yellow, much like the CATERPILLERS of the third Table, and is not eaſily diſtinguiſhed from them; this ſeemed to me ſomewhat ſlender. It was found ſpun up in the Leaves of the large Nettle, the 22d of *June*; at the latter end of the ſame Month it changed into *Chryſalis*, and the 15th of *July* came a moſt beautiful *Butterfly c d*, called the *Painted Lady*. See *Liſter on Goddart, page 7.* No. 5.

c

a

b

d

To Mr. Thomas Robe, Merch.t
This Plate is humbly dedicated by Claus. Albin





To the Right Honorable

The Countess of Schaumbourg Lippe and Buckenbourg

this Plate is humbly Dedicated by Eleazar Albin.

H. Terasson, Sculp. Lond.

DESCRIPTION *of the Fifty-ſeventh* PLATE.

THE CATERPILLER in this Table was Green, and ſtriped with White, the laſt of which went up into the Horn on his Tail. It was taken feeding on the *Poplar* at the Beginning of *September*, and at the latter end of the ſame *Month* it went into the Ground and changed into a *Chryſalis*, and remained in that State till the Beginning of *May*, at which time came forth the *Moth c d.* The CATERPILLERS with Tails produce *Moths* that are very ſwift of Flight, for which Reaſon they have the Name of *Hawk Moths*, this being commonly called the *Poplar Hawk Moth.*

DESCRIPTION *of the Fifty-eighth* PLATE.

THIS CATERPILLER was taken on the *Hazel* in *Norwood* near *Dulwich* the 9th of *Auguſt:* It was of a browniſh Orange Colour: I have drawn it both in its moving and ſtanding Poſture, the better to expreſs its odd Shape and Manner from its Look, which has ſome Reſemblance of a Cruſtaceous Fiſh, for which Reaſon I have given it the Name of the *Lobſter* CATERPILLER. It was kept in a Box with ſome of the Branches of the *Hazel* ſet in Bottles with Earth under them, to facilitate its Change; but I did not perceive it to eat. It ſpun itſelf up the 13th of the ſame Month between the Bottles in a tranſparent Caſe, and died without changing.



To the Hon.ble Collonel George Churchill

this plate is humbly Dedicated by Eleazar Albin.

H.L. Terasson Sculp.t





TO THE R^T HONOURABLE

The Lord Ilay

This Plate is Humbly Dedicated by Elcaz.r Albin.

E. Albin del.

Hulett — Sculpsit.

DESCRIPTION *of the Fifty-ninth* PLATE.

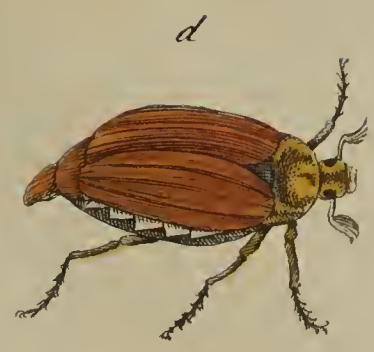
THE CATERPILLER *a a* in this Table was Yellow, with a Shade of Green on its Sides, a blueiſh Stripe on its Back edged with ſmall Lines of Black, and over all its Body ſmall white Specks; it had two black Spots repreſenting Eyes in the upper Part of its Head. It had three Feet and eight Holders on each Side, which I have obſerved in moſt of the CATERPILLERS of the *Ichneumon* kind. Their Manner in ſtanding is different from other CATERPILLERS, for they generally curl their Tails. This was found on the *Dutch Willow* the 2d of *July*, and the 10th they ſpun a Cylindrical ſhining Caſe *b*, and the 25th of *May* came the *Fly c*.

The two CATERPILLERS on the upper Part of the Branch *d g*, were taken at the Beginning of *July*; the 8th of the ſame *Month* they went into the Earth, and made a Caſe *e*, like the former; about the Middle of *Auguſt* the CATERPILLER *d* produced the Fly *f*, and the CATERPILLER *g*, that at *h*.

DESCRIPTION *of the Sixtieth* PLATE.

THE *Grub* or *Worm* in this Table at *a* is commonly found in *Graſs-fields* which are new ploughed. I found many of them by following the Plough. I obſerved that the *Crows* and *Rooks* were very diligent in picking them up. I put ſeveral of them into a Box, in which they killed one another with their Nippers; thoſe which remained I kept in a Pot of Earth with ſome of the Roots of Graſs and other Plants. They changed into *Chryſalis b*, about the Beginning of *September*, and in the middle of *May* came forth a brown *Beetle* called the *Chafer*, *Oak Web*, or *May Beetle*, the Male at *d*, and the Female at *c*.







To Richard Lyddill Esq.

This Plate is humbly dedicated by Eleaz.r Albin.











To John Acton of Basingstoke in Hantshire Esq.

This Plate is Humbly Dedicated by Eleaz.r Albin

E. Albin del. Hulett Sculp.t

DESCRIPTION *of the Sixty-firſt* PLATE.

THE *Grub* on the green Leaf at *a* was Purple and Yellow. It was found on the *Orach* the 25th of *June*, feeding on ſmall Inſects, which were very numerous on that Plant. With theſe I fed them till they compoſed themſelves for Change, which they did the 27th of *June*, by faſtening their Tails to the Leaves of the Plant, and changed into *Chryſalis b*; from theſe came the red *Beetle* ſpotted with Black, called the *Cow Lady c c*, the uppermoſt of which hath its Wings expanded. See *Liſter on Goddart, page* 108. N° 112.

The dark colour'd *Grub* under the Graſs at *d* was found in the Earth the 25th of *April*. I fed it on the Roots of Graſs in a Pot till the 20th of *Auguſt*. It then changed into a *Chryſalis e*. I had two, one of them was kept moiſt, and produced a *Fly* called the *Harry long Legs* or *Taylor Fly*; this proved a Female *g*, and laid four hundred Eggs in a Box I kept her in; the other was kept dry, and it ſhrunk up and died. I have often obſerved that keeping *Chryſalides* too dry is a great Hindrance of their perfecting the *Fly*. The Male is expreſſed at *f*. See *Liſter on Goddart, page* 131. No. 139.

DESCRIPTION *of the Sixty-ſecond* PLATE.

THE CATERPILLER *a* in this Table was of a muddy Green ſpotted with White. It was found feeding on an *Oak* in *Cain Wood* the 27th of *May*; it ſpun up on the 30th of the ſame Month, and changed into a *Chryſalis b*, and the 22d of *June* came the *Moth*, of an Olive Colour ſpotted with Brown *c d*.

Theſe black CATERPILLERS of the *Ichneumon* Kind *e*, were found feeding on the *Turnip* Leaves in the Beginning of *September* 1719, being ſo numerous at that time about *London*, that whole Fields of them were deſtroyed: About the latter end of *September* they went into the Earth, and ſpun themſelves up in a tranſparent Caſe, and changed into a *Chryſalis*; and in *May* following came forth a ſmall *Ichneumon Fly*, figured in the Table at *g*.





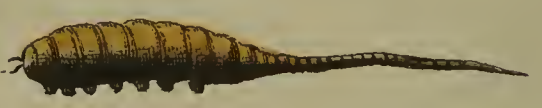
To S.r David Hamilton Physician to y.e Princess, & F.R.S.
This Plate is humbly dedicated by Eleaz.r Albin











To the Honourable M.rs Thynne

This Plate is humbly dedicated by Eleaz.r Albin.

DESCRIPTION *of the Sixty-third* PLATE.

THE yellowiſh *Grub a* on the Leaf was ſpotted with Black. It was found on the *Dutch Willow* about the 20th of *June*, and changed into *Chryſalis b*, the next Day; and the 5th of *July* came a large red *Beetle c*, which lays Eggs of a Cream Colour longiſh and ſtanding upright on the Leaf *d*.

The *Maggot e* is commonly found in Privies and corrupt Water of Sinks. I obſerved it to have fourteen ſmall Protuberances on the Belly like Feet, by which it climbs up into a Reſting-place when fit for Change: I believe it makes uſe of its long Tail in guiding itſelf in the Water. It changed into *Chryſalis f*, about the latter end of *Auguſt*, and remained juſt fifteen Days in that State, before the *Fly g* came forth, which repreſents one of the *Bee* Kind.

DESCRIPTION *of the Sixty-fourth* PLATE.

THE *Hexapode Worm* on the Leaf at *a* was browniſh. It was found on the *Lime-trees* at the latter End of *July*, and fed on ſmall Flies in the ſame Manner as the Worm *a* of the ſixty-firſt Table; on the ſecond of *Auguſt* it ſpun itſelf up in a white Silken Caſe like that of a Spider's Egg, and the 16th of *May* following came the *Green Golden-eyed Fly*; it having the moſt beautiful Eye of an Inſect that I have yet ſeen. His Wings are very remarkable for their Tranſparency and bright Colouring in them like that of a Rainbow, and when viewed with the Microſcope, the Edges and every Diviſion of the Wings are beſet with long Hairs. I have obſerved in the Woods two Kinds more of them, the one of a dark Purple, and the other of a blueiſh Green. See *Liſter on Goddart*, *page* 93. N° 104.



To Vice Chamberlain Cook

This Plate is humbly dedicated by Eleaz. Albin





To the Honorable Thomas Trevor Esq^{R}.

This Plate is humbly dedicated by Eleaz^{r}. Albin.

E. Albin delin.

Bulett Sculp.

DESCRIPTION *of the Sixty-fifth* PLATE.

THE CATERPILLER *a* was Fleſh coloured, having a large Gibboſity on its Back. It was found near *Hornſey Wood* on the *Wild Roſe*, and another of the ſame kind on the *Oak*. They ſpun themſelves up in the Leaves folded together with a white Web, and changed into *Chryſalis b*, and about the middle of *May* came a *Moth* expreſſed at *c d*.

The CATERPILLER *e* was of a dark Red, and had a Gibboſity on its Back like the former. It was found on the *Black Thorn* the third of *September*, and the 8th of the ſame Month it ſpun itſelf up in a Copper-coloured Web; the *Moth g h* came the third of *March*. I had others of them that did not come till the middle of *May*.

DESCRIPTION *of the Sixty-ſixth* PLATE.

THIS *Maggot a* on the Leaf was Green with a Stripe of White on its Back. It was found on the *Roſe Tree* feeding on ſmall Inſects which live in the Froth that is found on that and divers other Plants. Its way of feeding is thus: it having no Feet it faſtens itſelf to the Leaf by the Tail, which is broad and flat like that of a *Leach*, and ſeizes its Prey with its *Proboſces*, then lifting up its Head ſucks them till there is nothing left but their Skins. It changed into *Chryſalis c* the 22d of *June*, and the *Fly d* came the 10th of *July*. The *Fly* of theſe *Maggots* ſeems to be apprehenſive of the Want of Feet in the young *Embryo*, and lays her Eggs near the Place where the Flies are thickeſt on the Plants.



TO THE R^T HONOURABLE

George Booth Earl of Warrington

This Plate is humbly dedicated by Eleazar Albin.

Albin del.

Hulett Sculpsit.



To John Henric: Linck at Leipsick Apothecary & Reg:: Societ:: Socius
This Plate is humbly dedicated by Eleazar Albin.

E. Albin del.

Sculpt Sculp

DESCRIPTION *of the Sixty-ſeventh* PLATE.

THE CATERPILLER *a* in this Table was Green. It was found on the *Roſe-Bay Willow Herb* the 30th of *July*, and the 4th of *Auguſt* it went into the Ground and changed into a *Chryſalis b*, and the 16th of *January* came the *Moth c d*; from one of theſe CATERPILLERS came the *Ichneumon f*.

The CATERPILLERS at *g* were Orange Colour, their Heads black, with a Spot of the ſame on the firſt Joint. I believe them to be of the *Ichneumon* kind, having more Holders than the common CATERPILLERS. I found them the 10th of *June* on a *White Thorn* near *Peckham*; they eat in their Web, ſpinning it further as they want Food. They went into the Ground the 20th of the ſame Month, but could not be hatched with all the Care I could take. I found ſome of the ſame two Years after on a *Pear Tree*, and tried to preſerve them by putting them in a Bottle in a Hole in the Ground to keep them moiſt, but a Flood of Water coming drowned all my Hopes.

DESCRIPTION *of the Sixty-eighth* PLATE.

THE CATERPILLER *a* in this Table was of a dark Colour, the Head red. It was taken on the *Sallow* near *Hornſey Wood* about the Midde of *May*, and on the 26th of the ſame Month it went into the Ground and changed into a *Chryſalis b:* the *Moth* came the 13th of *September*, the upper Wings *c* Yellow, the under Wings and under Side *d* of a pale Cream Colour.

The CATERPILLER *e* was Green and ſpotted with Red; I could not perceive it had any Feet; the Belly ſeemed wet or ſlimy like that of a *Snail*, it crept on the Leaves after the ſame Manner. It was taken on the ſecond of *September* on the *Oak*, and fed till the 20th; it then ſpun up in the Leaves, and the 29th of *May* came the *Moth* expreſſed at *f g* in the Table.



To D^r Richard Richardson of North-Bierley, near Bradford, Yorkshire.
This Plate is humbly dedicated by Eleaz^r. Albin.









TO THE R.T HONORABLE —

John Lord Percevale

this Plate is humbly dedicated by Eleazar Albin.

DESCRIPTION *of the Sixty-ninth* PLATE.

THE two CATERPILLERS in this Table are of one Species though differently marked; the firſt at *a* was Green ſpotted with Red. It was found on the *Oak* the 5th of *October*. The other at *b* was Green, with a red Protuberance on its Tail. It was found on the *Maple* near *Highgate* the 20th of *September*; when it ſtood ſtill, it always lifted up its hinder part. They went into the Ground at the end of *October*, and about the latter end of *February* came the *Moth* expreſſed at *d e*.

DESCRIPTION *of the Seventieth* PLATE.

THE black CATERPILLERS of this Table at *a* fed in a Web together on *Black Thorn*, *White Thorn*, and *Plumb Tree*. They were found at the latter end of *May*, and changed into *Chryſalides* the Beginning of *June*, and the 20th of the ſame Month came the *Moth c d*, commonly called the *Ermine*.

The CATERPILLER *e* was brown on the Back, the Belly Aſh colour, parted from the Brown by an Orange coloured Stripe; its Head Black. It was found on the *Oak* the 26th of *May*: It ſpun up the 15th of *June*, and changed into *Chryſalis*; the *Moth* came the 10th of *July*, *g h*.

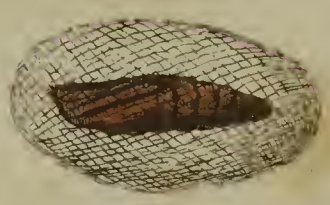


To. Mrs Elizabeth Bridges of Soho Square
This Plate is humbly dedicated by Eleaz.r Allin.


c


d


a


b

f


g


c

TO THE MOST NOBLE

James Duke of Chandois

This Plate is humbly Dedicated by [illegible].

DESCRIPTION *of the Seventy-firſt* PLATE.

THE CATERPILLER in this Table at *a* was Green ſtriped with White. It was found on the *White Archangel* in the Beginning of *July*, and about the Middle of the ſame Month it ſpun itſelf up in a tranſparent Web, and changed into a *Chryſalis b*; the 20th of *Auguſt* came the *Moth d*; the dark Shades of the upper Wings are browniſh, the light Parts like burniſhed Braſs, the under Wings and under Side of a Hair Colour.

The ſmall *Maggot* at *e* was of a browniſh Colour full of Briſtles. It was taken in Rabbit's Dung in the Middle of *October*, and at the end of the ſame Month it changed, the Briſtles remaining on the *Chryſalis f*, and in the Middle of *March* came the *ſmall Houſe Fly g*.

DESCRIPTION *of the Seventy-ſecond* PLATE.

THE CATERPILLER *a* in this Table was of a light Brown ſpotted with Black and White. It was found feeding on the *Sweet Williams* in a Garden near *Hackney*; on the 4th of *May*, and the 10th of the ſame Month it went into the Ground and changed into *Chryſalis b*, and the 10th of *June* came the *Moth* commonly called the *Yellow Under Wing c d.* See *Liſter on Goddart*, *page* 52. No. 41.

The CATERPILLER *e* in this Table was Green, and ſpotted with Black. It was found folded up in the Leaves of the *Oak* the 24th of *May*, and the 27th of the ſame Month it ſpun itſelf up and changed into a *Chryſalis f*; the *Moth g h* came the 18th of *June*. It was of a beautiful green Colour. From ſome of theſe CATERPILLERS came the *Ichneumon* figured at *i* in the Table.



To. Mrs. Rachel Schutz Wife of the Hon: Col. John Schutz

This Plate is humbly dedicated by Eleaz.r Albin.







To Brook Bridges Esq.r

This Plate is humbly dedicated by Eleaz.r Albin

DESCRIPTION *of the Seventy-third* PLATE.

THE CATERPILLER *a* in this Table was of a light Green. It was found folded up in the Leaves of the *Great Nettle* at the end of *May*; it fed after the ſame manner with the CATERPILLERS in Table 37. It changed into a *Chryſalis*, *b*, in the Beginning of *June*, and in fourteen Days came a beautiful *Moth*, *c d*.

The Head and Back of the CATERPILLER *e* was of a pale Roſe Colour, the Belly Green. It was found folded up in the *Woodbine* Leaves near *Hornſey Wood* on the 22d of *May*. It was one of the nimbleſt CATERPILLERS I ever met with, for if you touched it never ſo little, it would leap about like a mad thing; it ſpun up the Day after it was taken, and changed into a *Chryſalis* at *f*, and the *Moth g h* came the 14th of *June*.

DESCRIPTION *of the Seventy-fourth* PLATE.

THE CATERPILLERS, *a*, *b*, were differing in Colour, ſome Brown and Green, others Red and Green. They were found on the *Wild Roſe* the 20th of *May* near *Hornſey Wood*. I had four of them in a Box, and looking on them half an Hour after they were put in, found but two; and obſerving them more ſtrictly ſaw one of them devour the other in a ſmall Space of Time: That which remained went into the Earth in the Box, and changed into *Chryſalis c*, and the 21ſt of *February* came a browniſh *Moth*, *d e*.

The CATERPILLER *f* is Brown. It was found on the *Oak* the ſecond of *September*, and towards the latter end of the ſame Month it changed into *Chryſalis g*, and the 13th of *April* came the *Moth h i*.





All Rev.mo Pre. Don Bruno Tozzi
Procuratore generale della Congregatione di Talembrosa
Reg: Socièt: Socio.





To William Le Grand of Maiden Early in ye County of Berks Esqr.

This Plate is humbly dedicated by Eleazr. Albin.

DESCRIPTION *of the Seventy-fifth* PLATE.

THE CATERPILLER *a* in this Table was of a yellowiſh Green, the Head blueiſh. It was found feeding on the *Oak* (I have likewiſe found of them on the *Hazel*; and on the *Lime Trees* in *St. James's Park.*) It went into the Ground the 19th of *June*, and changed into *Chryſalis b*, and the 10th of *February* came the *Moth c d.*

The CATERPILLER *e* was of a pale Green. It was found feeding on the *Female Fern* the ſecond of *September*, by the Wood Side near *Charlton* in *Kent*, and the 13th of the ſame Month it went into the Ground, and changed to a *Chryſalis f*: and about the latter end of *April* came the *Moth g h.*

DESCRIPTION *of the Seventy-ſixth* PLATE.

THE CATERPILLER *a* in this Table was of a pale Green. It was found feeding on the *Briar* or *Wild Roſe Tree* the 16th of *June*; and the ſeventh of *July* it went into the Ground, and changed into *Chryſalis*, *b*; the 16th of *March* came the *Moth c d*.

The CATERPILLER *e* was Green on the Back, and yellowiſh on the Belly. It was found on the *White Thorn* the 10th of *June* near the *Boarded River*, and the 19th of the ſame Month it went into the Earth, and changed into *Chryſalis f*; and the 13th of *February* came the *Moth g h*.





To the Hon.ble Brigadier John Langston,
this Plate is humbly dedicated by Eleazar Albin.











To Mountague Gerrard Drake Esq.

This Plate is humbly Dedicated by Eleazar Albin.

H. Terasson, Scul. Soho.

DESCRIPTION *of the Seventy-ſeventh* PLATE.

THE Green CATERPILLER *a* on the *Nettle*, was found at the Beginning of *Auguſt*, and on the 24th of the ſame Month it went into the Earth, and changed into a *Chryſalis b*, and the Beginning of *May* came the *Moth c d.*

The yellowiſh CATERPILLER was found feeding on the *Facea nigra or Knap-weed* the 11th of *September*, and the 16th of the ſame Month it went into the Earth, and changed into a *Chryſalis*, and produced a *Moth* like the former; the Body and upper Wings very dark, with a Spot of White in each, the under Wings and under Side of a Hair Colour.

DESCRIPTION *of the Seventy eighth* PLATE.

THE CATERPILLER *a* was Black on the Back, the Head and Belly of a muddy Green parted from the Black by a yellow Stripe on each Side, the Spots repreſenting Eyes reddiſh. It was found feeding on the *African Marigold* at the Beginning of *September*, and the latter end of the ſame Month it went into the Earth and changed into a *Chryſalis*, *b*, and the *Moth c d* came the 23d of *May* following.



To John Ward of St. Clements Danes London, Esq.r
This Plate is humbly dedicated by Eleaz.r Albin,

















To Thomas Windham of Hawkchurch in the County of Dorset

this plate is humbly Dedicated by Eleazar Albin.

H. Fenwick. Sculp. London

DESCRIPTION *of the Seventy-ninth* PLATE.

THE CATERPILLER *a* in this Table was Yellowiſh with dark Clouds. It was found feeding on the *Garden Creſſes* the ſecond of *Auguſt*, and the 11th of the ſame Month it went into the Ground and changed into *Chryſalis b*; the *Moth c d* came the 14th of *May*.

The Green CATERPILLER *e* was found feeding on *Mint* the fourth of *Auguſt*, (they feed alſo on *Burdock*, *Colts-foot*, and *Parſley*;) the two Holders in the middle of the Body on each Side of this CATERPILLER are very remarkable, in which it differs from all that I have yet obſerved. It ſpun up within two Days after it was taken, and on the 24th of the ſame Month came the *Moth g h*, commonly called the Y *Moth*, from having a Mark in the middle of each upper Wing ſomewhat reſembling that Letter. See *Liſter on Goddart*, *page* 20. No. 14.

DESCRIPTION *of the Eightieth* PLATE.

THE CATERPILLER *a* was Browniſh, having a Protuberance on the middle of his Back, and another on his Tail, with a Shade of Red under the former. I found it on the *Willow* by the *Thames Side* at *Chelſea Phyſick Garden* the 12th of *June*, and the 17th it ſpun itſelf up between the Leaves in a thin Web, and changed into *Chryſalis b*, which was all over covered with a blueiſh White ſomewhat like that on *Plumbs*; the *Moth c d* came the 17th of *July*; it is commonly called the *Red Under-wing*.

c

d

b

TO THE MOST NOBLE

Henrietta Dutchess of Newcastle,

This Plate is humbly dedicated by Eleazar Albin.



To the Right Honorable

Thomas Earl of Pembroke & Montgomery, &c.

this Plate is humbly Dedicated by Eleazar Albin

H: Terasson, Sculp: Fecit

DESCRIPTION *of the Eighty-firſt* PLATE.

THE CATERPILLER *a* in this Table was of a reddiſh Brown or Fox Colour, with a black Stripe like Velvet at each Joint: the Head, Feet, Belly, and Holders were Black. I found it about the Beginning of *March*, and fed it on the *Bramble* till the latter end of the ſame Month; then it ſpun a Web, in which it turned into *Chryſalis b*; the Beginning of *May* came the *Moth c d*; this CATERPILLER is called by the Country People the *Devil's Gold Ring*, but we diſtinguiſh it by the Name of the *Fox*.

This CATERPILLER is frequently found in *Autumn*, and reſembles the *Ragweed* CATERPILLER *e*, *Table* 34, when they are ſmall; but theſe I could never bring to their Change.

DESCRIPTION *of the Eighty-ſecond* PLATE.

THE CATERPILLER *a* in this Table was of a yelloviſh Colour with a Brown Head. It was found about the Beginning of *May* feeding on Graſs. Mr. *Knowlton* has obſerved them in *Hertfordſhire* to have devoured whole Fields of *Saint-foin*. It ſpun itſelf up in a yelloviſh ſhining Caſe, and changed into a black *Chryſalis* the 24th of *May*; the *Moth c d* came the 15th of *June*, the upper Wings of a dark Green ſpotted with Red, the under Wings all Red edged with Black; this is commonly called the *Wood Leopard*.

The CATERPILLER *e* was found on an *Oak* near *Peckham* in *Kent* the 16th of *June*; a few Days after, it caſt a Skin, and then fed again for ſome time afterward; it ſpun itſelf up in a thick oval Caſe, in which it died without changing.



To William Cholwich of the Middle Temple Esq.r

This Plate is humbly dedicated by Elaz.r Albin.



To the Right Honorable
Lady Mary Gore.
this plate is humbly Dedicated by Eleazar Albin.

H. Terrason. Sculp. London

DESCRIPTION *of the Eighty-third* PLATE.

THE CATERPILLER *a* in this Table was Yellow with Tufts of Scarlet and Yellow. It was found feeding on the *Sycamore Tree* at the Beginning of *July*; when you disturb it, it rolls itself up like a *Hedgehog*, as is expressed on the Leaf; the 13th of *July* it spun itself up, mixing its Hair with the Web, and changed into a *Chrysalis*, and the *Moth* came the 10th of *June*. From some of these CATERPILLERS that were fly-blown, about three Weeks after they spun up, came *Ichneumon Flies*.

DESCRIPTION *of the Eighty-fourth* PLATE.

THE CATERPILLER *a* was Purple, beautifully marked with red and yellow Spots. It was found on the *Willow* the 15th of *May*, and the fourth of *June* it ſpun up between the Leaves, and changed into a hairy *Chryſalis*; the *Moth d e* came the 24th of the ſame Month. They lay Eggs of a pale Green Colour, covered with a Subſtance looking like Leaf Silver. The young CATERPILLERS were hatched the 28th and 29th of *July*, and live all Winter. See *Liſter on Goddart, page* 84. Nº 87.

The Green CATERPILLER *e* was taken the 4th of *Auguſt* thinly ſpun up in the Leaves of the *Great Water Graſs*, in a Meadow near *Rotherhith*; in about two Days after, it changed into *Chryſalis f*, and the 17th of the ſame Month came a browniſh *Moth*, *g h*, with Spots like burniſhed Gold in the upper Wings.

a

b

c

d

e

f

g

h

To the Hon.ble Brigadier Gen.l Russel.

this Plate is humbly dedicated by — Eleazar Albin.

E. Albin del.

Halett Sculp.



TO THE MOST NOBLE

William Duke of Devonshire

This Plate is humbly dedicated by Eleaz.r Albin.

DESCRIPTION *of the Eighty-fifth* PLATE.

THE CATERPILLERS, *a*, *a*, were found on the *Hazel* the firſt of *June*. I obſerved them to eat very little, but upon giving them freſh Boughs, which happened to be wet with Rain, they fed greedily. The next Day I gave them Water and Honey mixed together, of which they drank a good Quantity, and fell to eating again very heartily. In this manner I fed them every Day, ſometimes twice a-day, till the 14th of the ſame Month; they then went into the Earth and changed into *Chryſalis*; the *Moth* came at the latter End of *December*; *b c* ſhews the Female, and *d e* the Male.

DESCRIPTION *of the Eighty-ſixth* PLATE.

THE CATERPILLER *a* upon the upper Branch was finely painted with divers Colours having a Protuberance on the Back. It was found on the *Cherry Tree* the 15th of *June*, and on the 20th it went into the Earth, and changed into a *Chryſalis*, *b*; the 14th of *July* came the *Moth c d.*

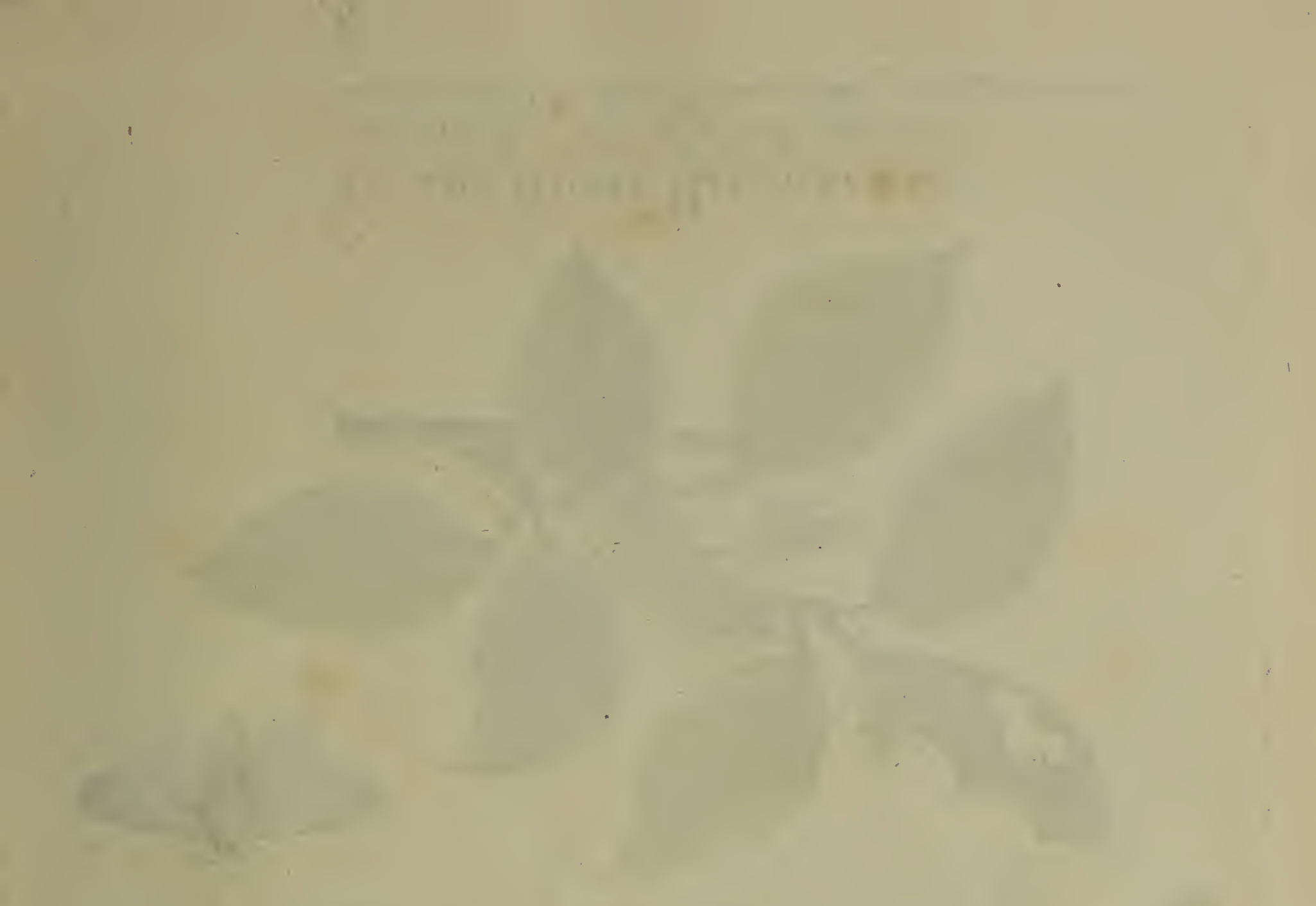
The CATERPILLER on the lower Branch was painted like the former, having two Protuberances, one on the Back, and another on the Tail. This was found on the *Plumb Tree* about the latter end of *July*, and a *Moth* like the former came the 26th of *May* following. Their Eggs are very ſmall, and of the Colour of *Verdigreaſe.*





To the Right Honorable
Lady Elizabeth Compton

this plate is humbly Dedicated by Eleazar Albin. *H. Terraston, Sculp. London,*





d



a



c



b



g



h



e



f



i

To Thomas Cowslad Esqr

this plate is humbly Dedicated by Eleazar Albin.

H. Fenchurch Street, Lond.

DESCRIPTION *of the Eighty-ſeventh* PLATE.

THE CATERPILLER *a* was Brown with two red Spots near the Tail, and a Row of white Spots on each Side. It was found on the *White Thorn* the 28th of *May*; and the 10th of *June* it ſpun up, and about the middle of *July* came a white *Moth*, *c*, *d*, with a brown Tail, from whence it is commonly called the *Brown-tail*. The Eggs of this CATERPILLER are hatched in *Autumn*, and the Young feed upon the fleſhy Part of the Leaf, leaving the upper Skin untouched: they lay themſelves up in Webs all Winter, and as ſoon as the Buds open, they come forth and devour them, in ſuch manner that whole Trees and ſometimes Hedges for a great way together are abſolutely bare. It will be well worth while for thoſe who value their Trees, or Hedges, to have the Webs cut off and deſtroyed during the Winter.

The CATERPILLER *e* was dark Brown, ſpotted all over with Red and White. It was found on the *White Thorn* the 29th of *May*, and the ſecond of *June* it ſpun itſelf up, and changed into a *Chryſalis*; the 22d of *June* came a white *Moth* with a ſmall black Spot in each upper Wing, the End of their Tail Orange Colour. They lay Eggs of a pale Colour, covering them with a woolly Subſtance; the young CATERPILLERS hatched the 14th of *Auguſt*; I fed them till the latter End of *October*; they ſpun themſelves up in little Caſes, and ſo remained till the Spring following.

DESCRIPTION *of the Eighty-eighth* PLATE.

THE CATERPILLER *a* was Yellow and Orange Colour. It was taken on the *Aſpen Tree* near *Muſſel Hill* at the Beginning of *September*; it ſpun itſelf up in a Web, in which it lay two Days, and then came out caſting its Skin: the Marks and Colour appeared as at *b*; it fed till the 24th of *September*, and then ſpun itſelf up to the Side of the Box; the *Moth d e* came the 19th of *March*.

The CATERPILLER *f* was dark Brown ſpotted with divers Colours. It was found on the *White Thorn* the 16th of *May* (they will feed on the *Oak*, *Hazel*, and *Black Thorn*;) it ſpun up the 28th of *May*, and changed into *Chryſalis g*, and the 20th of *Auguſt* came the *Moth h i*. Their Eggs are covered with a dark hairy Subſtance, which they lay in Lines of divers Figures on the Barks of Trees.



To Tho: Knowlton gardiner at Sr Henry Penrisces, at Offley Place in Hartford Shire
This Plate is humbly dedicated by Eleaz: Allin



To. Mrs Etheldred Hovel Wife of the Most Revd Father in God
His Grace the Lord Arch Bishop of Canterbury.
this Plate is humbly dedicated by Eleazar Albin.

DESCRIPTION *of the Eighty-ninth* PLATE.

THE CATERPILLER *a* in the Table was purpliſh ſpotted with Red: it had four Tufts of yellow Hair on its Back, two black Tufts like Horns on the Head, and one of the ſame Colour on the Tail. It was found feeding on the *Apricock Tree* the 27th of *May*, and ſpun itſelf up at the Beginning of *June*; the Female *Moth c* came about the 16th of the ſame Month; this was without Wings, and after Copulation lays her Eggs on the Web, in which ſhe lay while in *Chryſalis*; the Male *d*, *e*, of a reddiſh Brown, with a Spot of White in each upper Wing, came the 21ſt of *June*. From a *Chryſalis* of this Kind came the *Ichneumon f*. See *Liſter on Goddart*, *page* 80. No. 79.

DESCRIPTION *of the Ninetieth* PLATE.

THE CATERPILLER *a* was darkiſh Purple with red Spots and horned Tufts like the former, the four Tufts on its Back Red. It was found feeding on the *Hazel* at the latter End of *April* near *Lewſham* in *Kent*; it fed till the 19th of *May*, and then ſpun up and changed into a *Chryſalis*; and the *Moth* came the 6th of *June*; *c*, *d* ſhews the Male, and *b* the Female.

The CATERPILLER *e* was Orange Colour, with two Tufts on the Head, and one on the Tail, and but two in the middle of the Back of the ſame Colour with the CATERPILLER. It was found on the *Hazel* the 19th of *Auguſt*, and the 10th of *September* it ſpun up, and changed into *Chryſalis f*; the *Moth g*, *h* came the firſt of *April*.



To Mrs Dorothea Trotman Wife of Samuel Trotman of Bucknel Esq.r

this Plate is humbly dedicated by Eleazar Albin.



To Elizabeth Lady Stuart. Wife of S.r Simeon Stuart of Hautbois, Bar.t

This Plate is humbly dedicated by Eleaz.r Klein

DESCRIPTION *of the Ninety-firſt* PLATE.

THE CATERPILLER *a* in the Table was of a yellowiſh Green, with an indented Line of Brown on each Side. It was found feeding on the *Wild Briar* at the Beginning of *September*, and at the latter end of the ſame Month it went into the Earth, and changed into *Chryſalis b*; the *Moth c*, *d* came at the latter end of *May*. It was White mottled with Black.

The CATERPILLER *e* was Brown, and round each Joint Tufts of ſhort prickly Hairs; the Head Red. It was found on the *White Thorn* about the 20th of *May* near *Hornſey Wood*, and about the Beginning of *June* it went into the Earth, and changed into *Chryſalis b*; the female *Moth g* was without Wings, and came about the middle of *April*; and the Male *h*, *i* came two Days after.

DESCRIPTION *of the Ninety-ſecond* PLATE.

THE CATERPILLER in this Table, while ſmall, was of a Roſy-red Colour, with a Circle of white Spots round each *Joint*, as repreſented by the leſſer Figure in the Plate; when it grew larger upon caſting a Skin, it appeared as at *a*. It was found on the *Dog-berry Tree* near *Muzzle-hill* the 26th of *Auguſt*; it went into the Ground the third of *October*, and changed into *Chryſalis b*; and the *Moth c*, *d* came about the latter end of *May* following.

The CATERPILLER *e* was Green, with ſmall red Lines on the Back. It was found on the *Sallow* at the Beginning of *September* near *Hornſey*; it ſpun itſelf up the 14th of the ſame Month and changed into *Chryſalis*; the 23d of *April* came the *Moth g*, *h*.



c

a

b

d

g

e

h

f

To Henry Cartwright Esq.r

This Plate is humbly dedicated by Chas. Hamm.



To Mrs. Mary Reade 2d Daughter of Sr. Ja.s Reade of Brocket-hall, Bar.t this Plate is humbly dedicated by Eleazar Albin.

DESCRIPTION *of the Ninety-third* PLATE.

THE CATERPILLER *a* in this Table was found feeding on the *Oak* near *Hampſtead Heath* on the 27th of *May*; it ſpun itſelf up in the Leaves at the bottom of the Box, and changed into *Chryſalis b*, and the *Moth* came the 19th of *June*.

The CATERPILLER *e* was taken on the *Oak* the ſeventh of *September*, and on the 18th of the ſame Month it ſpun itſelf up, and changed into a *Chryſalis f*; the 16th of *May* came the *Moth g*, *h*.

DESCRIPTION *of the Ninety-fourth* PLATE.

THE CATERPILLER *a* was Aſh Colour with Lines of White. It was found feeding on *Bramble* Leaves the 10th of *September* near *Highgate*. It fed all the Winter till the fifth of *March*, and then ſpun ſome of the Leaves together like a Bag, which it hung by four or five Threads, ſo that upon touching it ſwung to and fro; in which it changed into a *Chryſalis*, *c*; the *Moth d*, *e* came the 21ſt of *April*.

The CATERPILLER *b* was of the ſame Kind, though differing in Colour; and changed about the ſame Time, and in all other Reſpects was as the former. See *Liſter on Godart*, *page* 14. N° 10.



To Thomas Frankland Esqr

This Plate is humbly dedicated by Eleazr. Albin.



c



a



b



d



g

e



h



f

To Mrs Elizabeth Gorges Wife of John Codrington of Codrington Esqr.
this plate is humbly Dedicated by Eleazar Albin.

E. Albin del.

H. Fenton Sculp. London.

DESCRIPTION *of the Ninety-fifth* PLATE.

THE CATERPILLER *a* in the Table was found on the *White Thorn* the 13th of *September*; it ſpun itſelf up on the 24th of the ſame Month and changed into *Chryſalis b*; the *Moth c*, *d* came about the middle of *May*; it was the ſame with *g*, *h* in the 42d Table. I found ſeveral of theſe CATERPILLERS, which varied very much in Colour, ſome being much lighter, and ſome darker; but they all had Protuberances on their Backs.

The CATERPILLER *e* was found on the *White Thorn* the 15th of *September*, it was of a greeniſh Colour; and the 17th of the ſame Month it ſpun up in the Leaves, and changed into *Chryſalis f*, and the third of *April* came a yellow *Moth*, *g*, *h*, with brown Clouds towards the Pinions of the upper Wings.

DESCRIPTION *of the Ninety-ſixth* PLATE.

THE CATERPILLER *a* in this Table was found feeding on the *Hazel* the 14th of *September* near *Cain Wood*; and the 15th of *October* it ſpun itſelf up in one of the Leaves, and changed into a *Chryſalis*; the ſcallopt-winged *Moth b, c* came the 19th of *April*.

The CATERPILLER *d* was of a dark red Colour, and had three Protuberances on its Back near the Tail. It was found on the *Black Thorn* near *Bowes-farm* the ninth of *Auguſt*, and ſpun itſelf up between the Leaves and the Box the ſeventh of *September*; the *Moth e, f* came the 20th of *March* following.



To Mrs Eliz: Edgley Hewer eldest daughter of Sr. Simeon Stuart of Hantshire Bart.

This Plate is humbly dedicated by Eliz: Fox





To Mrs: Sarah Elizabeth Bridges of Soho Square
This Plate is humbly dedicated by Eleaz.r Alvin

DESCRIPTION *of the Ninety-ſeventh* PLATE.

THE CATERPILLER *a* was a kind of *Looper*; it was hairy (which is not very common among them) and beautifully marked with ſeveral Colours. It was found on the *Hazel* the firſt of *June*, and the 14th of the ſame Month it went into the Ground and changed into a *Chryſalis*, *b*, and at the Beginning of *April* came the *Moth c*, *d*.

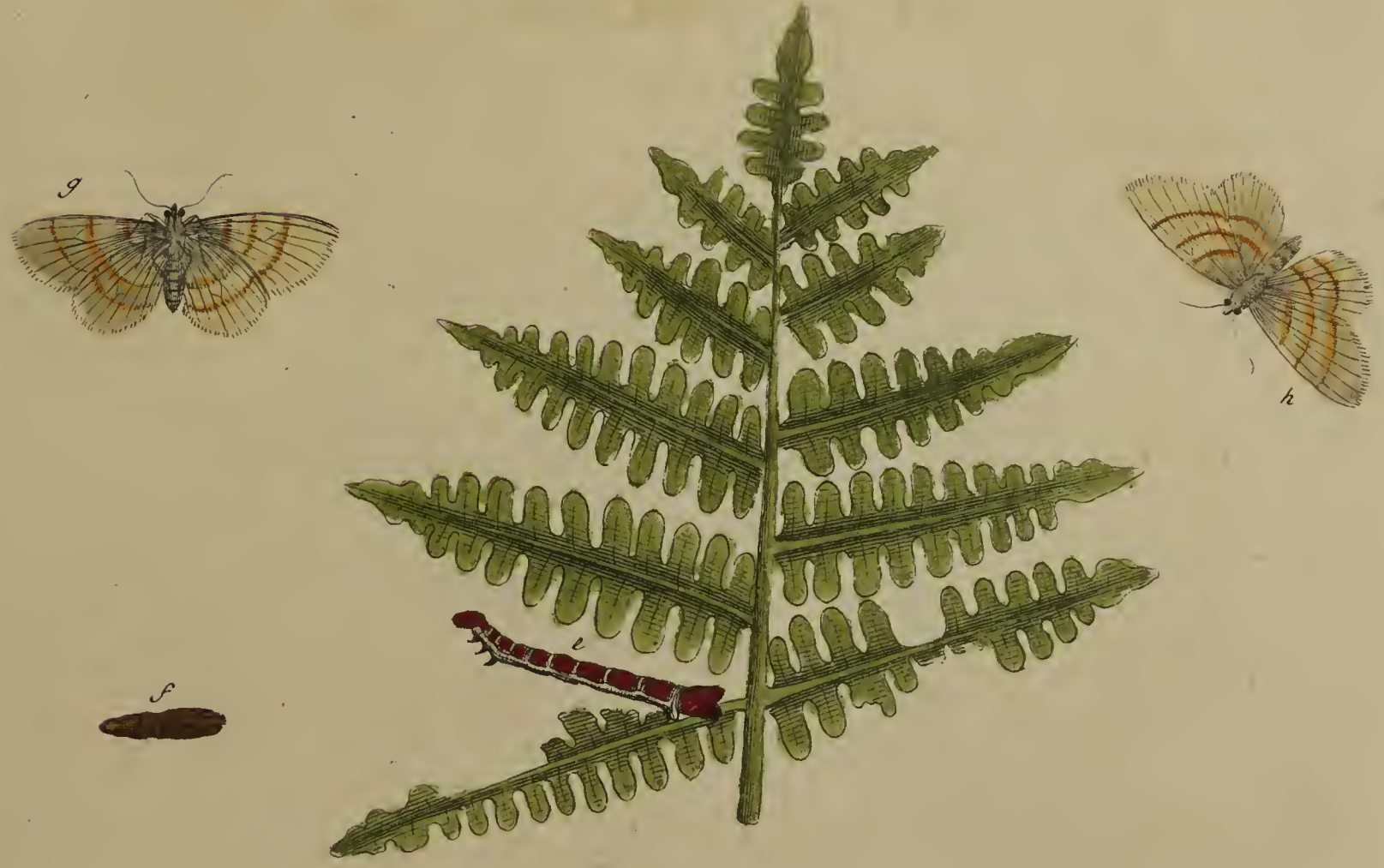
The CATERPILLER *e* was Aſh Colour. It was found on the *White Lady's-Bedſtraw* in the Marſhes near *Rotherhith* the third of *September*; it ſpun itſelf up the 12th of the ſame Month, and changed into *Chryſalis f*; and the 20th of *February* came the *Moth g*, *h*.

DESCRIPTION *of the Ninety-eighth* PLATE.

THE Greeniſh CATERPILLER *a* was found feeding on the *Black Thorn* near *Highgate* the fourth of *September*, and the ſixth of *October* it ſpun itſelf up in the Leaves, and changed into *Chryſalis b*; and the 23d of *March* came the *Moth c, d*, the upper Wings Yellow and White, with three dark Clouds a-croſs them, the under Wings and under Side of a light Hair Colour.

The CATERPILLER *e* was of browniſh Red, with a Line of White on each Side, and a Streak of the ſame at each Joint croſs the Back. It was found on the *Fern* the 13th of *September* in *Biſhop's Wood*; it ſpun up the 16th of the ſame Month, and changed into *Chryſalis f*; the *Moth g h* came the 12th of *May*.

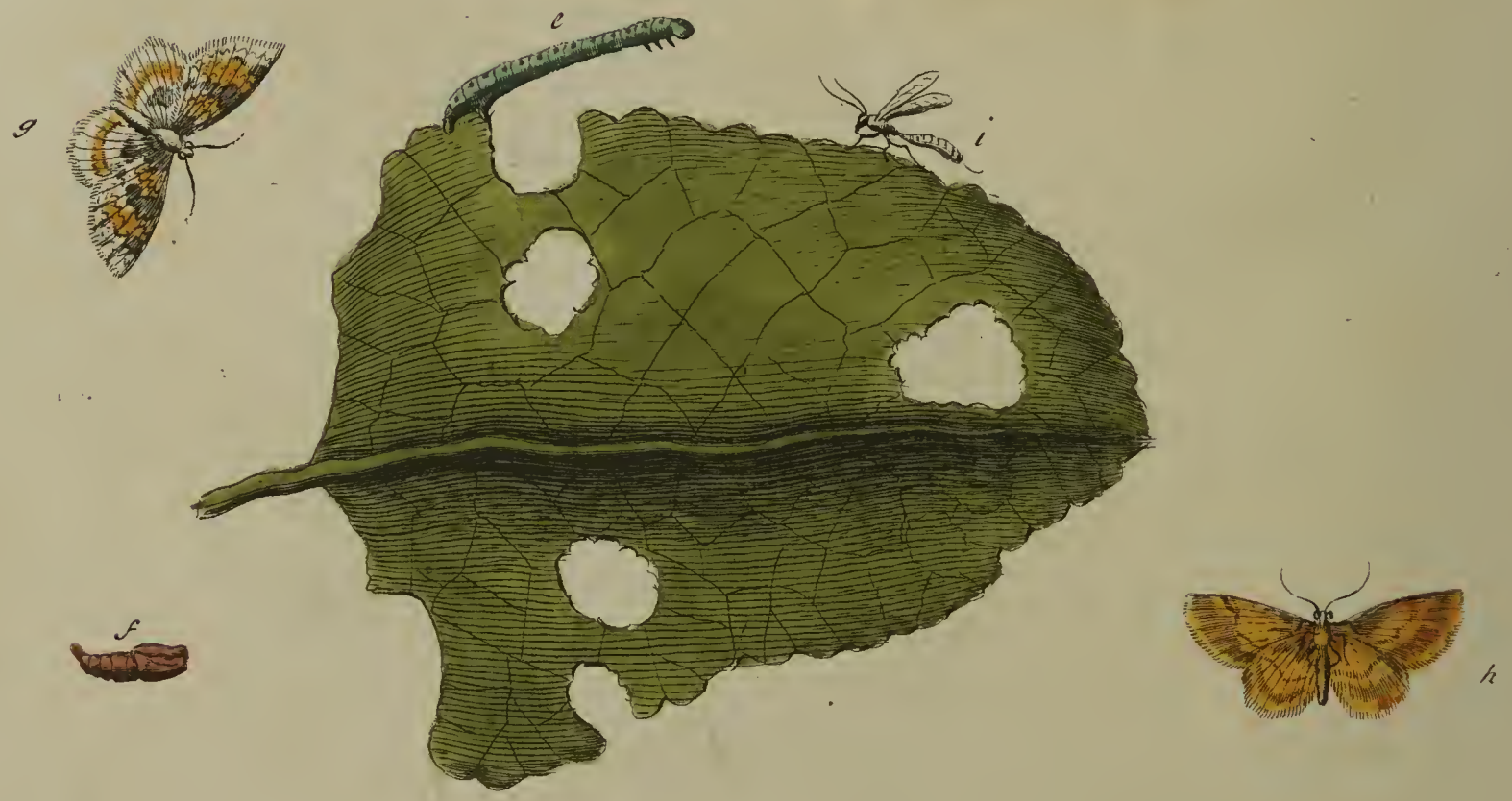




To Edward Jackson of the Midle Temple Esq.r
This Plate is humbly dedicated by Eleazar Albin.







To William Gibbons M.D.

This Plate is humbly dedicated by Eleaz.r Weir.

DESCRIPTION *of the Ninety-ninth* PLATE.

THE CATERPILLER at *a* was greeniſh Yellow, ſpotted with Red on the Back. It was found on the *Hazel* about the middle of *September*, and ſpun itſelf up about the 20th of the ſame Month, and changed into *Chryſalis b*; the *Moth c, d* came about the middle of *May* following.

The CATERPILLER *e* was pale Green, clouded and ſpotted with Brown. It was found feeding on the *Horſe-Radiſh* the 18th of *September*, and the 23d of the ſame Month it went into the Ground, and changed into *Chryſalis*; the *Moth g, h* came the ninth of *May*.

DESCRIPTION *of the Hundredth* PLATE.

THE CATERPILLER *a* in this Table was light Brown ſpotted with Red; it had two red Protuberances at the end of its Tail. It was found on the *Black Thorn* the 10th of *May*, and the 25th of the ſame Month it went into the Earth, and changed into *Chryſalis b*; and the latter end of *September* came the *Moth c, d.*

The CATERPILLER *e* was Brown and ſpotted with Yellow. It was found on the *Black Thorn* the 18th of *May*, and the 26th of the ſame Month it went into the Earth and changed into *Chryſalis f*; and the ſixth of *November* came the *Moth g, h*, the Female of which is without Wings, and lays her Eggs near the Place where ſhe lay while in *Chryſalis.*





To Arthur Weavor of the Middle Temple Esqr
This Plate is humbly dedicated by Eleazr. Albin